



## Anti-MYC EPITOPE TAG (RABBIT) Antibody DyLight™ 800 Conjugated - 600-445-381

**Code:** 600-445-381

**Size:** 100 µg

**Product Description:** Anti-MYC EPITOPE TAG (RABBIT) Antibody DyLight™ 800 Conjugated - 600-445-381

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Label</b>                  | DyLight™ 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host</b>                   | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Emission Wavelength</b>    | 794                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Excitation Wavelength</b>  | 770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer</b>                 | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reconstitution Volume</b>  | 100 µL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reconstitution Buffer</b>  | Restore with deionized water (or equivalent)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Stabilizer</b>             | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Preservative</b>           | 0.01% (w/v) Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Condition</b>      | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>               | Rabbit anti-MYC Epitope Tag DyLight 800™ Conjugated Antibody, Rabbit anti-c-myc tag DyLight 800™ conjugation, Glu-Gln-Lys-Leu-Ile-Ser-Glu-Glu-Asp-Leu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application Note</b>       | This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Background</b>             | Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the biochemical properties of the tagged protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells. Rockland produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA. Anti-MYC has utility to detect the fusion protein of the Myc epitope cloned along with the target gene. As such, anti-Myc/Myc can be used to identify fusion proteins containing the Myc epitope. This Anti-Myc antibody has been conjugated to DyLight™800. |
| <b>Purity And Specificity</b> | This affinity purified antibody is directed against the MYC epitope tag and is useful in determining its presence in over expressed proteins in various assays. The antibody recognizes the MYC epitope tag -tag (Glu-Gln-Lys-Leu-Ile-Ser-Glu-Glu-Asp-Leu) fused to either the amino- or carboxy- termini of targeted proteins in transfected or transformed cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Assay Dilutions</b>        | User Optimized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Western Blot</b>           | 1:10,000 - 1:25,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>FLISA</b>                  | >1:20,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>IF Microscopy</b>          | >1:5,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other Assays</b>           | User Optimized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>              | This antibody was purified from whole rabbit serum prepared by repeated immunizations with MYC epitope tag peptide, E-Q-K-L-I-S-E-E-D-L, conjugated to KLH using maleimide. The sequence corresponds to amino acids 410-419 of human c-Myc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Related Products</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

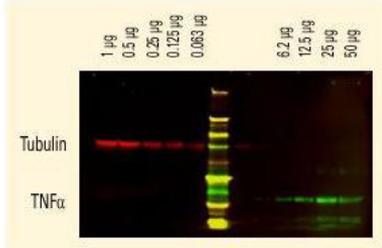
200-301-268

Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268

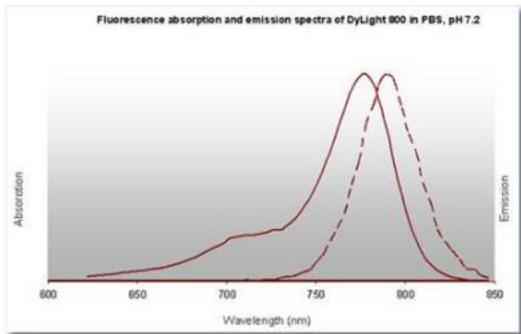
|          |                                                                         |
|----------|-------------------------------------------------------------------------|
| 610-4302 | Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302 |
| 611-1302 | Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302  |
| B304     | NORMAL GOAT SERUM (NGS) - B304                                          |

**Images**

1 DyLight™ dyes can be used for two-color Western Blot detection with low background and high signal. Anti-tubulin was detected using a DyLight™ 680 conjugate. Anti-TNF $\alpha$  was detected using a DyLight™ 800 conjugate. The image was captured using the Odyssey® Infrared Imaging System developed by LI-COR.



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| Emission      | Color                                                                             | DyLight™ Dye | Ex/Em (nm) | $\epsilon$ (M <sup>-1</sup> cm <sup>-1</sup> ) | Similar Dyes                                    |
|---------------|-----------------------------------------------------------------------------------|--------------|------------|------------------------------------------------|-------------------------------------------------|
| Blue          |  | 405          | 400/420    | 30,000                                         | Alexa™ 405, Cascade Blue                        |
| Green         |  | 488          | 493/518    | 70,000                                         | Alexa™ 488, Cy2 <sup>®</sup> , FITC             |
| Yellow        |  | 549          | 550/568    | 150,000                                        | Alexa™ 546, Alexa 555, Cy3 <sup>®</sup> , TRITC |
| Red           |  | 649          | 646/674    | 250,000                                        | Alexa™ 647, Cy5 <sup>®</sup>                    |
| Near Infrared |  | 680          | 682/715    | 140,000                                        | Alexa™ 680, Cy5.5 <sup>®</sup> , IRDye™ 700     |
| Infrared      |  | 800          | 770/794    | 270,000                                        | IRDye™ 800                                      |

### Disclaimer

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