

**Anti-HA EPI TOPE TAG (RABBIT) Antibody DyLight™ 488 Conjugated - 600-441-384**
**Code:** 600-441-384

**Size:** 100 µg

**Product Description:** Anti-HA EPI TOPE TAG (RABBIT) Antibody DyLight™ 488 Conjugated - 600-441-384

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

**PhysicalState:** Lyophilized

<b>Label</b>	DyLight™ 488
<b>Host</b>	Rabbit
<b>Emission Wavelength</b>	518
<b>Excitation Wavelength</b>	493
<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-HA Epitope Tag Antibody DyLight 488™ Conjugated, Rabbit Anti HA Epitope Tag Antibody DyLight 488™ Conjugated
<b>Application Note</b>	Anti-HA Epitope Tag DyLight 488 Antibody 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. Most often, sequences encoding the epitope tag are included with the target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows Anti epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. HA tag is frequently incorporated into recombinant proteins for a variety of purposes. An anti-HA antibody can then be used to detect the protein when doing studies with transfected cells.
<b>Purity And Specificity</b>	This affinity purified antibody is directed against the HA epitope tag and is useful in determining its presence in over expressed proteins in various assays. The antibody recognizes the HA epitope tag (Tyr-Pro-Tyr-Asp-Val-Pro-Asp-Tyr-Ala-Gly) 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 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 114-122 (Y-P-Y-D-V-P-D-Y-A-G) of hemagglutinin influenza conjugated to KLH using maleimide.
<b>Related Products</b>	

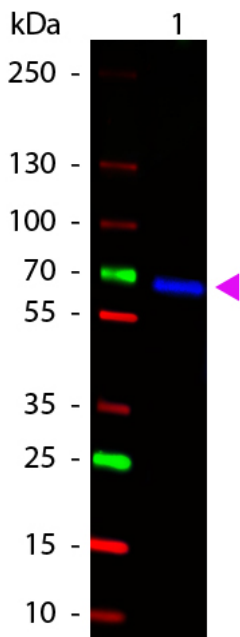
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

**Images**

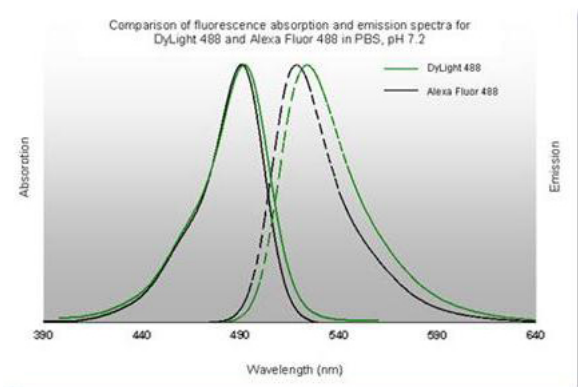
1 DyLight™ dyes can be used for multi-color immunofluorescence microscopy with uniform fluorescence intensity throughout the image. DyLight™ dyes are exceptionally bright and photostable and are optimized for microscopy and microarray detection methods. This image shows anti-histone detection using a DyLight™ 488 conjugate (green). Anti-Tubulin was detected using a DyLight™ 549 conjugate (red). Nuclei were counter-stained using DAPI (blue). The image was captured using an Axio Imager.Z1 (Zeiss Micro Imaging Inc).



2 Western Blot of Rabbit anti-HA DyLight™ 488 Conjugated Antibody. Lane 1: 12 Epitope Tag Protein Marker Lysate. Lane 2: None. Load: 10 uL. Primary antibody: None. Secondary antibody: DyLight™ 488 rabbit secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 69 kDa, 69 kDa for HA. Other band(s): None.









3



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Properties of DyLight™ Conjugates.

Emission	Color	DyLight™ Dye	Ex/Em (nm)	$\epsilon$ ( $M^{-1} cm^{-1}$ )	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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.