



## F(ab')<sub>2</sub> Anti-GOLDEN SYRIAN HAMSTER IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 307-4302

**Code:** 307-4302

**Size:** 20 mg

**Product Description:** F(ab')<sub>2</sub> Anti-GOLDEN SYRIAN HAMSTER IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 307-4302

**Concentration:** 10.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

|                               |  |
|-------------------------------|--|
| <b>Label</b>                  | Peroxidase (Horseradish)   |
| <b>Host</b>                   | Rabbit   |
| <b>Buffer</b>                 | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2   |
| <b>Reconstitution Volume</b>  | 2.0 mL   |
| <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) Gentamicin Sulfate. Do NOT add 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 F(ab') <sub>2</sub> anti-golden Syrian hamster IgG Antibody peroxidase Conjugated, Rabbit F(ab') <sub>2</sub> anti-golden Syrian hamster IgG HRP conjugated antibody  |
| <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.  |
| <b>Background</b>             | F(ab') <sub>2</sub> Anti-Golden Syrian Hamster IgG peroxidase Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab') <sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab') <sub>2</sub> fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab') <sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab') <sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. |
| <b>Purity And Specificity</b> | This product is a F(ab') <sub>2</sub> fragment of an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digestion followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Hamster IgG and Hamster Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.  |
| <b>Assay Dilutions</b>        | User Optimized   |
| <b>ELISA</b>                  | 1:10,000 - 1:50,000  |
| <b>Western Blot</b>           | 1:1,000 - 1:10,000   |
| <b>Immunohistochemistry</b>   | 1:500 - 1:2,500  |
| <b>Other Assays</b>           | User Optimized   |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.  |
| <b>Immunogen</b>              | Hamster IgG whole molecule   |

### Related Products

|          |   |
|----------|---|
| 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  |

**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.