10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody

**Rabbit Polyclonal, ATTO 488**
**Catalog # ASR3217**

## Specification

### Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Product Information

| | |
|---|---|
| Description | **Anti-GOAT IgG (H&L) (RABBIT) Antibody ATTO 488 Conjugated (Min X Hu, Ms, Rb Serum Proteins)** |
| Host | **Rabbit** |
| Conjugate | **ATTO 488** |
| FP Value | **3.8 moles ATTO 488 per mole of IgG** |
| Target Species | **Goat** |
| Clonality | **Polyclonal** |
| Application | **WB, IF** |
| Application Note | **FLISA >1:20,000;IF Microscopy >1:5,000;Western Blot >1:10,000** |
| Physical State | **Lyophilized** |
| Host Isotype | **IgG** |
| Target Isotype | **IgG (H&L)** |
| Buffer | **0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2** |
| Immunogen | **Goat IgG whole molecule** |
| Reconstitution Volume | **500 µL** |
| Reconstitution Buffer | **Restore with deionized water (or equivalent)** |
| Stabilizer | **10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free** |
| Preservative | **0.01% (w/v) Sodium Azide** |

### Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Additional Information

**Shipping Condition**
Ambient

**Purity**
Anti-GOAT IgG (H&L) conjugated to ATTO 488 was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Goat IgG and Goat Serum. No reaction was observed against Human, Mouse or Rabbit Serum Proteins. This antibody will react with heavy chains of Goat IgG and with light chains of most Goat immunoglobulins.

**Storage Condition**
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.

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**Precautions Note**
This product is for research use only and is not intended for therapeutic or diagnostic applications.

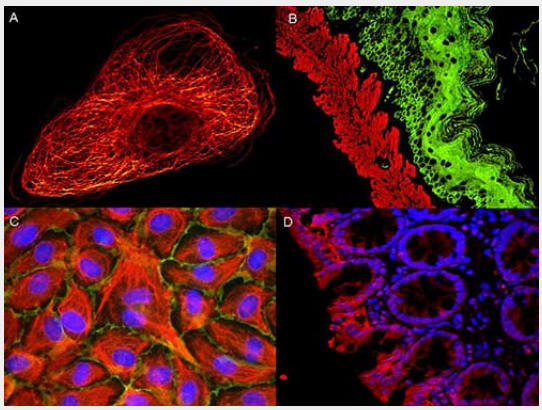
## Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Protein Information

## Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Images




ATTO ® dyes can be used for multicolor immunofluorescent detection with low background and high signal. Examples shown are: A. Tubulin in PtK2- male Rat Kangaroo Kidney Epithelial Cells was detected using ATTO 532 labeled secondary antibody. B. Muscle alpha-actin was stained with a mouse primary antibody and ATTO 488 anti-mouse IgG (green) while Cytokeratin was stained with polyclonal rabbit anti-cytokeratin and ATTO 647N anti-rabbit IgG (red). C. HUVEC (Human umbilical vein endothelial cells were stained with anti- Vimentin-ATTO 532 (green), anti-E-Cadherin-ATTO 655 (red) and DAPI (blue). D. Rat colon sections were stained with Anti-Aquaporin 3-ATTO 594 antibody. Hoechst 33342 (blue) is used as counterstain. Images provided courtesy of Dr. Jörg Reichwein, ATTO-TEC GmbH

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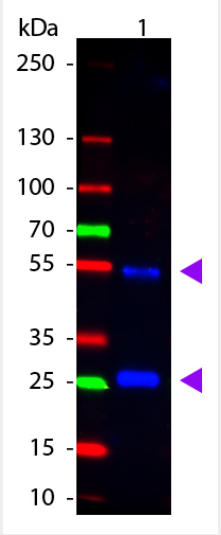


Western Blot of Rabbit anti-Goat IgG Atto488 Conjugated Antibody. Lane 1: Goat IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Atto488 rabbit secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Goat IgG. Other band(s): None.

**Anti-Goat IgG (H&L) (ATTO 488 Conjugated) Pre-Adsorbed Secondary Antibody - Background**

GOAT IgG (H&L) conjugated to ATTO 488 is designed for STED microscopy, FRET, 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.