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Anti-Goat IgG (H&L) (ATTO 550 Conjugated) Pre-Adsorbed Secondary Antibody

Rabbit Polyclonal, ATTO 550
Catalog # ASR1143

Product Information

Description	Anti-GOAT IgG (H&L) (RABBIT) Antibody ATTO 550 Conjugated (Min X Hu, Ms, Rb Serum Proteins)
Host	Rabbit
Conjugate	ATTO 550
FP Value	1.9 moles ATTO 550 per mole of IgG
Target Species	Goat
Clonality	Polyclonal
Application	IF, WB
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	100 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

Additional Information

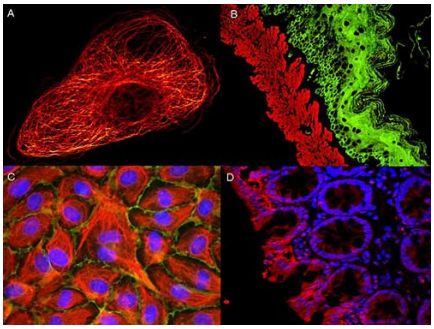
Shipping Condition	Ambient
Application Note	The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation.
Purity	Goat IgG (H&L) conjugated by ATTO 550 was prepared from monospecific antiserum by immunoaffinity chromatography using Goat 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.
Precautions Note	This product is for research use only and is not intended for therapeutic or

diagnostic applications.

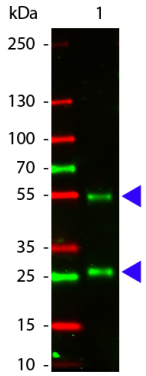
Background

Anti-Goat IgG (H&L) conjugated by ATTO 550 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.

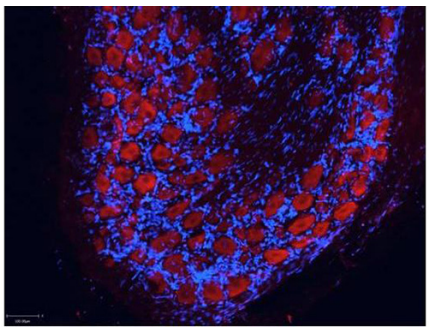
Images



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. J□rg Reichwein, ATTO-TEC GmbH



Western Blot of Atto 550 conjugated Rabbit anti-Goat IgG antibody. Lane 1: Goat IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Atto 550 rabbit secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 55 kDa, 28 kDa for Goat IgG. Other band(s): none.



Atto™ dyes can be used for multicolor immunofluorescent detection with low background and high signal. Example shown here is Immunohistochemical staining using ATTO-550 Anti-Aquaporin 2-antibody (red) of paraffin embedded region of rat kidney showing a transversal cut of the inner medulla near to the renal papilla. Nuclei are visualized with Hoechst 33342 (blue). Images provided courtesy of Dr. J□rg Reichwein, ATTO-TEC GmbH