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

Anti-Rabbit IgG (H&L) (ATTO 647N Conjugated) Pre-Adsorbed Secondary Antibody

Goat Polyclonal, ATTO 647N
Catalog # ASR3270

Product Information

Description	Anti-RABBIT IgG (H&L) (GOAT) Antibody ATTO 647N Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins)
Host	Goat
Conjugate	ATTO 647N
FP Value	2.5 moles ATTO 647N per mole of IgG
Target Species	Rabbit
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	Rabbit 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

Additional Information

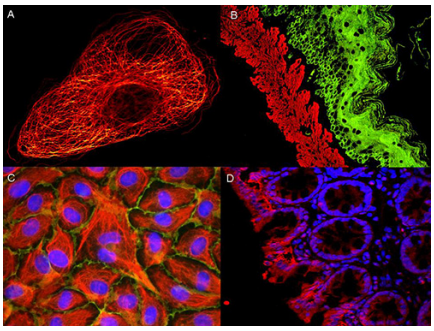
Shipping Condition	Ambient
Application Note	The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation.
Purity	Rabbit IgG (H&L) Antibody ATTO 647N was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit 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-Goat Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rat and Sheep Serum Proteins. This antibody will react with heavy chains of rabbit IgG and with light chains of most rabbit 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.

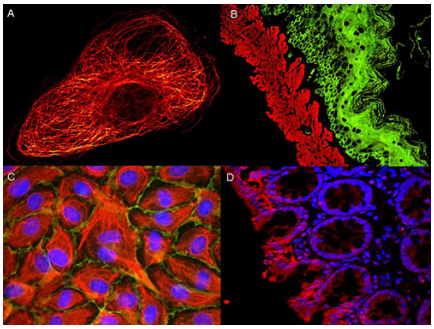
Background

Anti-Rabbit IgG (H&L) conjugated to ATTO 647N 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.

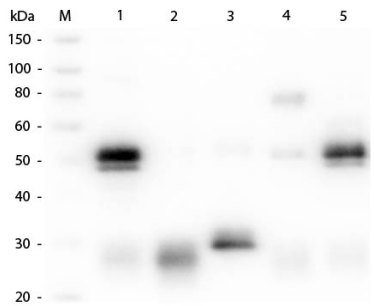
Images



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

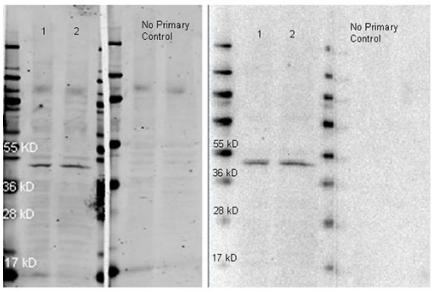


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Western Blot of Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) (p/n 611-101-122). Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule (p/n 011-0102). Lane 2: Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Rabbit IgG F(c) Fragment (p/n 010-0103). Lane 4: Rabbit IgM Whole Molecule (p/n 011-0107). Lane 5: Normal Rabbit Serum (p/n B309). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) (p/n 611-101-122) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody (p/n

CUST10) 1:40,000 in MB-070 for 30 min at RT. Predicted/Obsevered Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.



Abcepta ATTO 647N conjugated anti rabbit antibody was used to detect anti-Beta Actin antibody (p/n 600-401-886 lot 26928). Hela (Lane 1) and NIH 3T3 (Lane 2) Whole cell lysates were run on a 4-20% gel, transferred to nitrocellulose under standard conditions, and incubated with anti beta actin at a dilution of 1:2000 (ON 4°C). For secondary antibody detection, blot was incubated for 1 hr RT simultaneously with: 1. Abcepta ATTO 647N conjugated anti rabbit antibody (p/n ASR3270 lot 26426C, 1:10000 in MB-070, Shown on Left and 2. Abcepta HRP conjugated anti rabbit IgG (611-1322 lot 19247, 1:10000 in MB-070, shown on right) Blot was dried, imaged at a wavelength of 700 nm on a LiCor Odyssey reader, rewetted in TBS and imaged after 2 min with a 30 sec exposure time using Abcepta Femtomax-110 super sensitive Chemiluminescent substrate using the Biorad Versa Doc Imaging System.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.