

Product Datasheet

Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) NBP1-72944

Unit Size: 0.1 mg

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NBP1-72944

Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed)

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent).
Isotype	IgG
Conjugate	DyLight 488
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

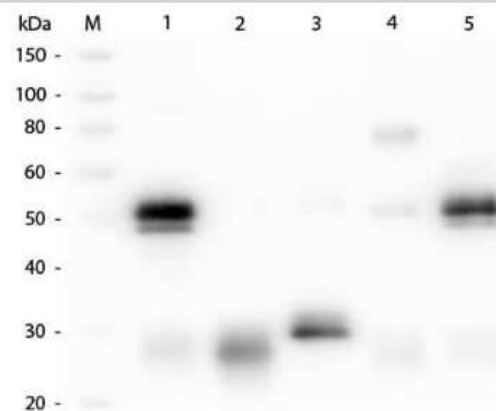
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product 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</p>
Host	Goat
Species	Rabbit
Specificity/Sensitivity	<p>This antibody was pre-adsorbed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rat, and Sheep Serum Proteins.</p> <p>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.</p>
Immunogen	Rabbit IgG whole molecule

Product Application Details	
Applications	Western Blot, Fluorophore-linked immunosorbent assay, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:10000-1:25000, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:5000, Immunohistochemistry-Paraffin 1:20 - 1:50, Fluorophore-linked immunosorbent assay 1:20000
Application Notes	This secondary 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(TM) conjugate match the principle output wavelengths of most common fluorescence instrumentation.

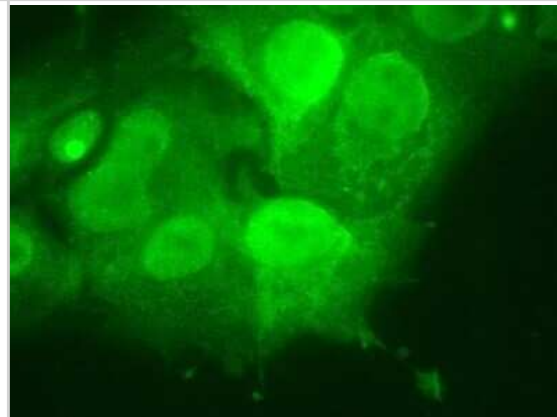


Images

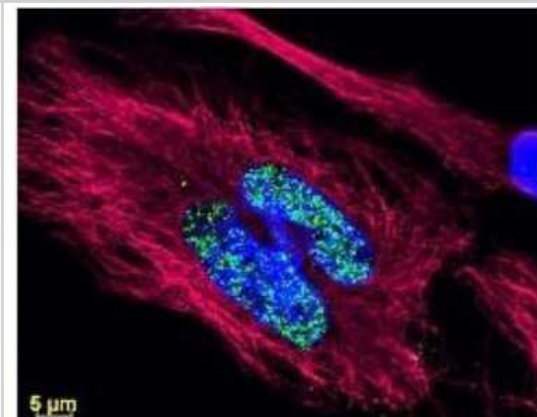
Western Blot: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72944] - Western Blot of Unconjugated Goat anti-Rabbit IgG (H+L) Secondary antibody [DyLight 488] (Pre-adsorbed). Lane M: 3 ul Molecular Ladder. Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. Lane 4: Rabbit IgM Whole Molecule. Lane 5: Normal Rabbit Serum. All samples were reduced. Load: 50 ng per lane. Block for 30 min at RT. Primary Antibody: Goat anti-Rabbit IgG (H+L) Secondary antibody [DyLight 488] (Pre-adsorbed) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in blocking buffer for 30 min at RT. Predicted/Observed 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.



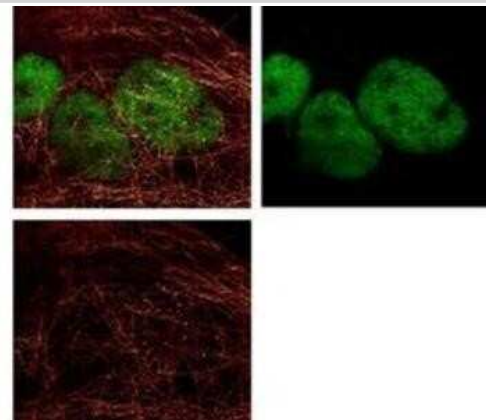
Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72944] - Myosin expression in HeLa cells. Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature. The secondary antibody was diluted in 1% BSA in PBS at 1:500 and incubated for 20 minutes at room temperature. Image from verified customer review.



Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72944]



Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] (Pre-adsorbed) [NBP1-72944] - DyLight 488 conjugated anti-Rabbit IgG was used to demonstrate 2 color STED immunofluorescence microscopy. Methanol fixed A431 cells were blocked with normal goat serum. The cells were then probed with 0.4 ug/mL final concentration of anti-HDAC and detected with 0.2 ug/mL DyLight488 conjugated Anti-RABBIT IgG [GOAT] secondary antibody (colored GREEN). Also shown in this 2-color STED image is a-tubulin monoclonal antibody [MOUSE] detected with ATTO 425 conjugated anti-MOUSE IgG [GOAT] secondary antibody (colored RED).



Publications

Belvin BR, Lewis JP. Ferroportin depletes iron needed for cell cycle progression in head and neck squamous cell carcinoma *Frontiers in Oncology* 2023-01-09 [PMID: 36698390] (Immunocytochemistry/ Immunofluorescence)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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