

Product Datasheet

Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] NBP1-72942

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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Publications: 1

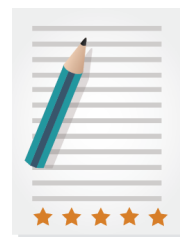
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NBP1-72942

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

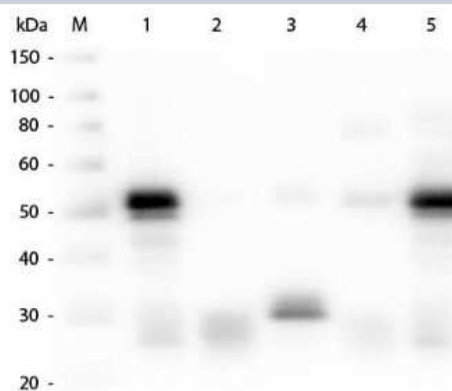
Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized 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 conjugation to fluorochrome and extensive dialysis against the buffer stated above. 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	This antibody will react with heavy chains of Rabbit IgG and with light chains of most Rabbit immunoglobulins.
Immunogen	Rabbit IgG whole molecule
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

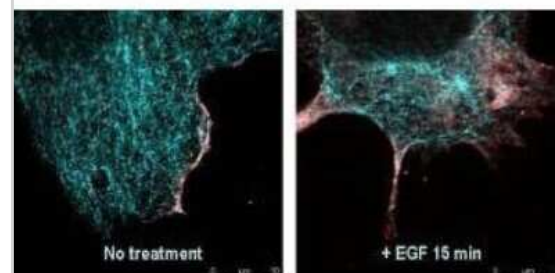
Product Application Details	
Applications	Western Blot, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:5000, Fluorophore-linked immunosorbent assay 1:20000
Application Notes	This secondary 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

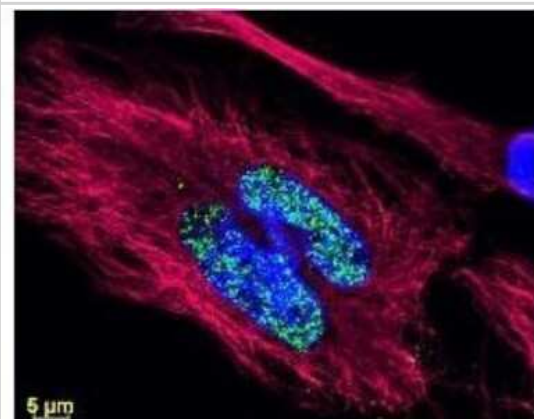
Western Blot: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] [NBP1-72942] - Western Blot of Goat anti-Fish IgG (H+L) Secondary antibody [DyLight 488]. Lane M: 3 ul Molecular Ladder. Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. Lane 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-Fish IgG (H+L) Secondary antibody [DyLight 488] 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.



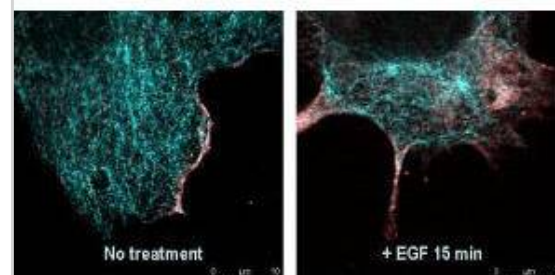
Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] [NBP1-72942] - Goat anti-Fish IgG (H+L) Secondary antibody [DyLight 488] used in confocal microscopy shows detection of changes in AKTpS473 localization in EGF treated A431 cells. A Leica TCS SP5 was used to detect tubulin (cyan) stained with Goat anti-Fish IgG (H+L) Secondary antibody [DyLight 488], and AKT (red) stained with MAb anti-AKT pS473. The images show a weak diffuse staining of AKT in serum starved resting cells ("No treatment"), and a marked activation and migration of AKT to the periphery of the cells upon stimulation with the mitogen EGF ("+ EGF 15 min").



Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody [DyLight 488] [NBP1-72942]



DyLight 488(TM) Goat anti-Rabbit IgG used in confocal microscopy shows detection of changes in AKTpS473 localization in EGF treated A431 cells. A Leica TCS SP5 was used to detect tubulin (cyan) stained with DyLight 488(TM) Goat anti-Rabbit IgG, and AKT (red) stained with MAb anti-AKT pS473. The images show a weak diffuse staining of AKT in serum starved resting cells ("No treatment"), and a marked activation and migration of AKT to the periphery of the cells upon stimulation with the mitogen EGF ("+ EGF 15 min").



Publications

Liu JT, Balmori-Cedeno J, Misk E, Lumsden JS Pharmacological and nutritional modulation of autophagy in a rainbow trout (*Oncorhynchus mykiss*) gill cell line, RTgill-W1 In Vitro Cell Dev Biol Anim 2020-09-09 [PMID: 32901427] (ICC/IF)



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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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