

Product Datasheet

Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) NBP1-72732

Unit Size: 1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-72732

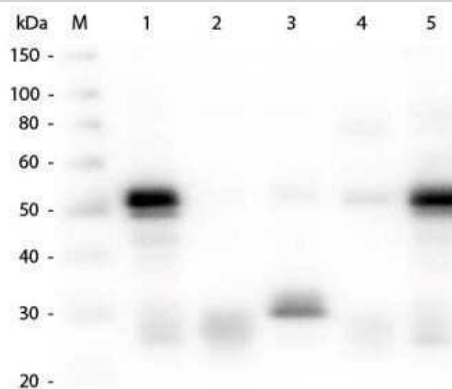
Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed)

Product Information	
Unit Size	1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<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> <p>Store vial at 4C prior to opening. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.</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. Specificity was confirmed using ELISA against at less than 1% of target signal.</p>
Immunogen	Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) was produced by repeated immunization with rabbit whole IgG molecule in goat.
Product Application Details	
Applications	Western Blot, ELISA, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, SDS-Page
Recommended Dilutions	Western Blot 1:500 - 1:2000, ELISA, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, SDS-Page, Fluorophore-linked immunosorbent assay
Application Notes	This secondary antibody is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.

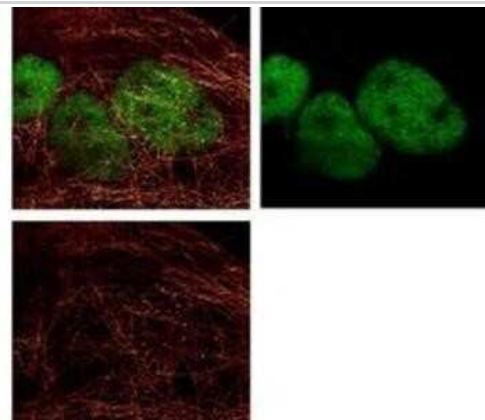


Images

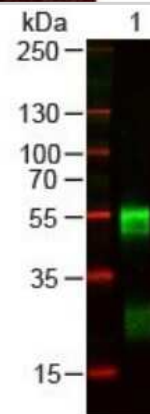
Western Blot: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. Lane 4: Rabbit IgM Whole Molecule. Lane 5: Normal Rabbit Serum. All samples were reduced. Load: 50 ng per lane. Block: incubated with blocking buffer for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in incubated with 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. Image from the Alkaline Phosphatase version of this antibody.



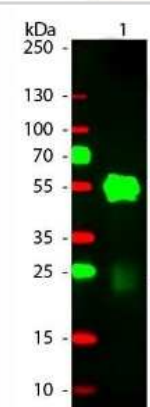
Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - DyLight 488 conjugated anti-Rabbit IgG was used to demonstrate 2 color STED immunofluorescence microscopy. Methanol fixed A431 cells were blocked with normal goat serum. The cells were 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). Image from the DyLight 488 version of this antibody.



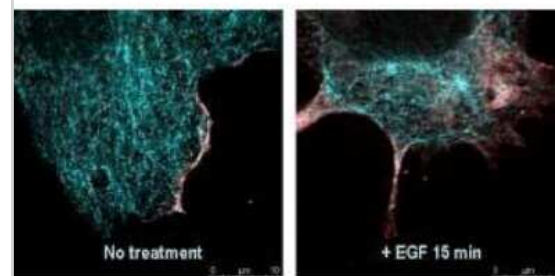
Western Blot: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - Lane 1: Rabbit IgG. Load: 100 ng per lane. Primary antibody: RABBIT IgG (H&L) Antibody Pre-adsorbed at 1:1,000 for overnight at 4C. Secondary antibody: DyLight 800 goat secondary antibody 1:20,000 for 30 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 55 and 28 kDa for Rabbit IgG.



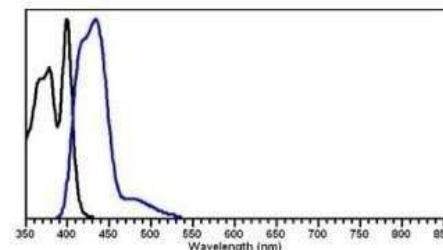
Western Blot: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - Western Blot: Goat anti-Rabbit IgG (H+L) Secondary Antibody [Rhodamine] [NB7575] - Lane 1: Rabbit IgG. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Rhodamine goat secondary antibody at 1:1,000 for 60 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 25 & 55 kDa for Rabbit IgG.



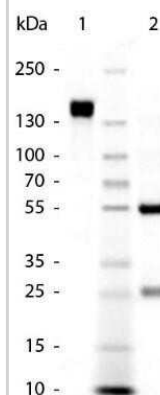
Immunocytochemistry/Immunofluorescence: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - Image from the DyLight 488 version of this antibody.



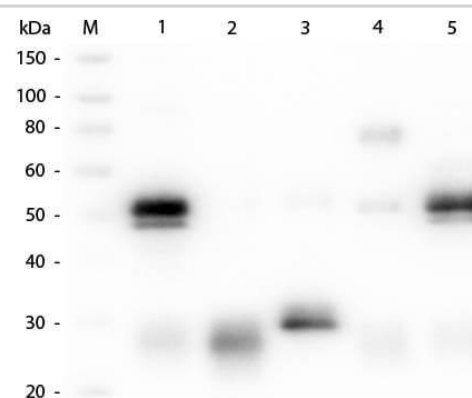
Fluorophore-linked immunosorbent assay: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - Using the DyLight 405 format of this antibody.



SDS-Page: Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72732] - SDS-Page of Goat anti-Rabbit IgG (H+L) Secondary Antibody [Unconjugated] (Pre-adsorbed). Lane 1: Goat anti-Rabbit IgG - Non-Reduced. Lane 2: Goat anti-Rabbit IgG - Reduced. Load: 1.0 ug per lane. Predicted/Observed size: 25 & 55 kDa - Reduced, 160 kDa - Non-Reduced for Goat IgG. Other Band(s): None.



Western Blot of Goat anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed)



Publications

Rueda-Gensini L, Serna JA, Rubio D et al. Three-dimensional neuroimmune co-culture system for modeling Parkinson's Disease microenvironments in vitro Biofabrication 2023-06-27 [PMID: 37369196] (Immunocytochemistry/ Immunofluorescence)

Certel SJ, Ruchti E, McCabe BD, Stowers RS. A conditional glutamatergic synaptic vesicle marker for Drosophila G3 Genes[Genomes]Genetics 2022-03-04 [PMID: 35100385]

Zhang F, Zang TM, Stevenson EM et al. Inhibition of major histocompatibility complex-I antigen presentation by sarbecovirus ORF7a proteins Proceedings of the National Academy of Sciences 2022-10-11 [PMID: 36136978]

Reddy PH, Kshirsagar S, Bose C et al. Rlip Reduction Induces Oxidative Stress and Mitochondrial Dysfunction in Mutant Tau-Expressed Immortalized Hippocampal Neurons: Mechanistic Insights Cells 2023-06-16 [PMID: 37371116] (Immunocytochemistry/ Immunofluorescence)

Oliva Cárdenas A, Zamora-Rodríguez BC, Batalla-García KA et al. Isolation and Identification of Mesenchymal Stem Cells Derived from Adipose Tissue of Sprague Dawley Rats Journal of visualized experiments : JoVE 2023-04-07 [PMID: 37092839]

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)

Wang T, Gilkes DM, Takano N Et al. Hypoxia-inducible factors and RAB22A mediate formation of microvesicles that stimulate breast cancer invasion and metastasis Proc Natl Acad Sci U S A 2014-06-19 [PMID: 24938788] (ICC/IF)

Details:

Citation using the Cy3 version of this antibody.

Garafola CS, Henn FA. A change in hippocampal protocadherin gamma expression in a learned helpless rat Brain Res 2014-12-03 [PMID: 25446008] (IHC-FrFI, IHC-Fr)

Details:

Citation using the Cy3 version of this antibody.

Yang Y, Chen C, Zuo Q Et al. NARF is a hypoxia-induced coactivator for OCT4-mediated breast cancer stem cell specification Sci Adv 2022-12-09 [PMID: 36490339] (ICC/IF)

Atzori MG, Ceci C, Ruffini F Et al. The Anti-Vascular Endothelial Growth Factor Receptor 1 (VEGFR-1) D16F7 Monoclonal Antibody Inhibits Melanoma Adhesion to Soluble VEGFR-1 and Tissue Invasion in Response to Placenta Growth Factor Cancers (Basel) 2022-11-26 [PMID: 36428669] (IHC-P)

Details:

Citation using the HRP version of this antibody.

Zhu G, Wang J, Song M Et al. Overexpression of Jagged1 Ameliorates Aged Rat-Derived Endothelial Progenitor Cell Functions and Improves Its Transfusion Efficiency for Rat Balloon-Induced Arterial Injury Ann Vasc Surg 2017-02-07 [PMID: 28163178]

Details:

Citation using the Cy3 version of this antibody.

Certel SJ, McCabe BD, Stowers RS. Et al. A conditional GABAergic synaptic vesicle marker for Drosophila J Neurosci Methods 2022-02-27 [PMID: 35219770] (IF/IHC)

Details:

Citation using the Janelia Fluor 549 version of this antibody.

More publications at <http://www.novusbio.com/NBP1-72732>





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