Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP

Product Details	
Size	2 mL
Species Reactivity	Rabbit
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Purified Rabbit IgG, whole molecule
Form	Lyophilized
Concentration	0.8 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA, 50mM sucrose
Contains	no preservative
Storage conditions	4° C
RRID	AB_228341

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000-1:200,000	0 Publication
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	0 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	0 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	0 Publication
Immunocytochemistry (ICC/IF)	-	0 Publication
ELISA (ELISA)	1:5,000-1:10,000	0 Publication
Immunoprecipitation (IP)	1:500-1:5,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

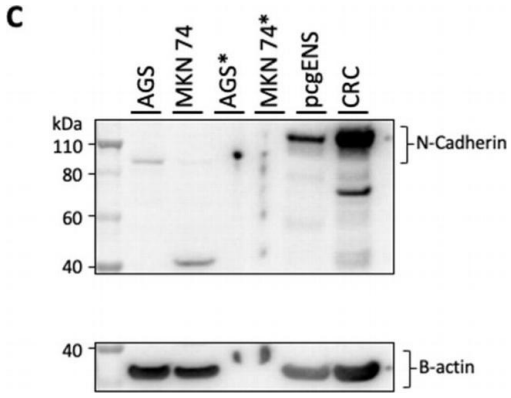
Product # 31460 has been successfully used in Western blot, IHC and IP applications.

Product # 31460 reacts with the heavy chains of rabbit IgG and with the light chains common to most rabbit immunoglobulins, but does not react against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species and with SuperBlock® Blocking Buffers.

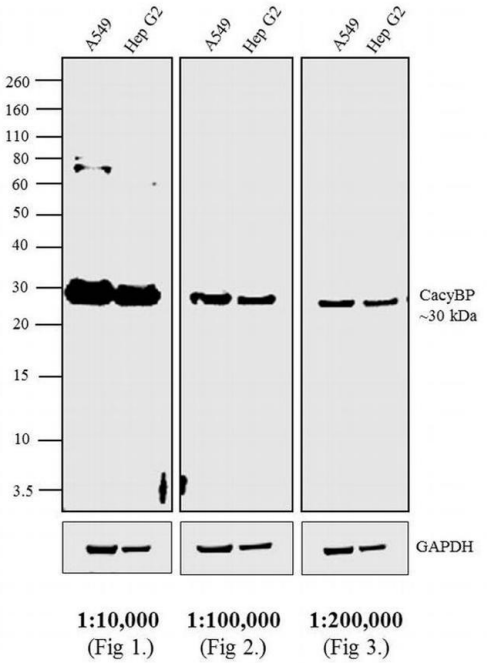
Store product at 4°C until opened. To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C.

Reconstitute with 2.0 mL of distilled water (0.8 mg/mL after restoration).

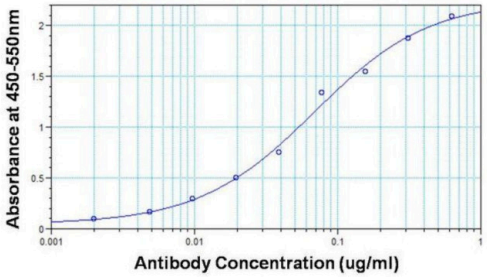
Product Images For Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP



Rabbit IgG (H+L) Secondary Antibody (31460) in WB
Expression of N-Cadherin in the enteric neurons of the pcgENS and in gastric cancer cell lines. Immunostaining of N-Cadherin using anti-N-cadherin in the enteric neurons of pcgENS (A) and in different gastric cancer cell lines (B) (scale-bar = 50 µm). Analysis by Western blot of N-Cadherin expression in gastric cancer and CRC cell lines (B-actin used as positive control) (C). pcgENS-primary culture of enteric nervous system; CRC-colorectal cancer (human); *-ultracentrifugation protocol. The uncropped Western blots have been shown in Figure S3. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/35884357), licensed under a CC BY license.



Rabbit IgG (H+L) Secondary Antibody (31460) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of A549 (Lane 1) and Hep G2 (Lane 2). The blots were probed with Anti-CacyBP Rabbit Polyclonal Antibody (Product # 720326, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate (Product # 31460) at dilutions 1:10,000 (Fig. 1), 1:100,000 (Fig. 2) and 1:200,000 (Fig. 3). A 30 kDa band corresponding to CacyBP was observed. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary antibody after blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Rabbit IgG (H+L) Secondary Antibody (31460) in ELISA
Direct ELISA analysis of ovalbumin was performed by coating wells of a 96-well plate with 100 µL per well of recombinant ovalbumin protein (Product # 77120) diluted to a concentration of 3 µg/mL in carbonate/bicarbonate buffer (Product # 28382), overnight at 4C. Wells of the plate were washed, blocked with StartingBlock T20 (TBS) Blocking Buffer (Product # 37543), and incubated with 100 µL per well of ovalbumin antibody (Product # PA1-196), starting at a concentration of 625 ng/mL and serially diluting 2-fold to a concentration of 2 ng /mL, for 1 hour at room temperature. The plate was washed, then incubated with 100 µL per well of an HRP-conjugated goat anti-rabbit IgG secondary antibody (Product # 31460) at a dilution of 1:5000 for 1 hour at room temperature. Detection was performed using 1-Step Ultra TMB substrate (Product # 34028) for 5 minutes at room temperature. The reaction was stopped with TMB stop solution (Product # N600) and absorbances were read on a spectrophotometer at 450-550 nm.

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2616 References

Capsid protein mediated evasion of IRAK1-dependent signalling is essential to Sindbis virus neuroinvasion and virulence in mice. Emerg Microbes Infect (2024)

Genetic and pharmacological reduction of CDK14 mitigates synucleinopathy. Cell Death Dis (2024)

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Yin Yang 1 facilitates the activation, inflammation, and extracellular matrix deposition of hepatic stellate cells in hepatic fibrosis. Pathol Int (2024)