

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

Product Details	
Size	2 mL
Species Reactivity	Rabbit
Host/Isotope	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	Published
Western Blot (WB)	✓	1:10,000-1:200,000	63 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-		1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	1:200	1 Publication
Immunohistochemistry (IHC)	✓	1:5,000-1:100,000	1 Publication
ELISA (ELISA)	✓	1:5000-1:10,000	1 Publication
Immunoprecipitation (IP)	✓	1:500-1:5,000	

Product Specific Information

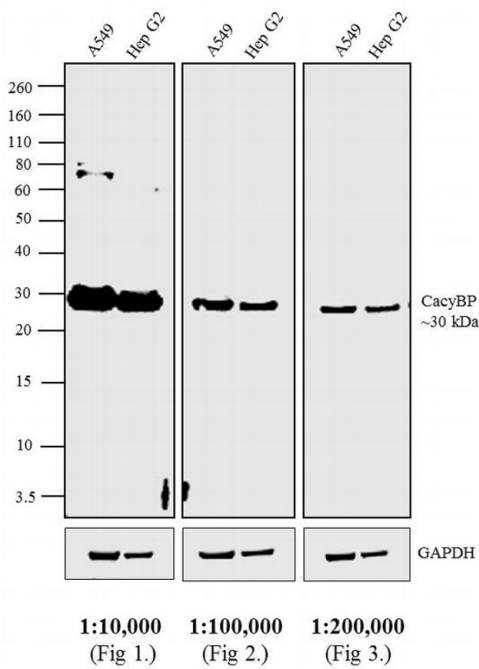
Product # 31460 has been successfully used in Western blot, IHC and IP applications.

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

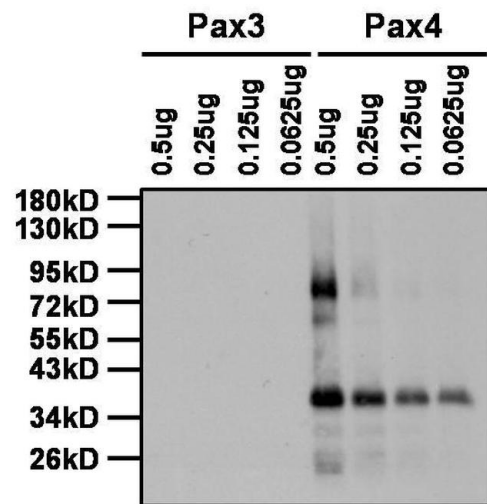


Rabbit IgG (H+L) Secondary Antibody (31460) in WB

Western blot analysis was performed on whole cell extracts (30 μ g lysate) of A549 (Lane 1) and Hep G2 (Lane 2). The blots were probed with Anti-CacyBP Rabbit Polyclonal Antibody (Product # 720326, 1 μ g/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).

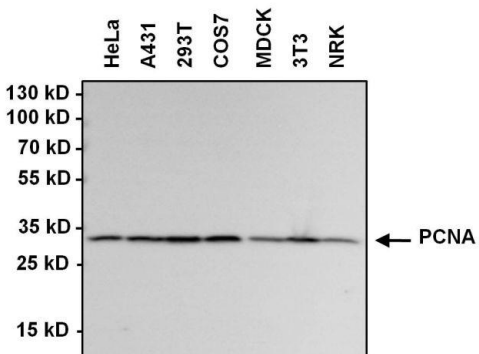
Rabbit IgG (H+L) Secondary Antibody (31460) in WB

Western blot analysis of Pax4 was performed by loading the indicated amounts of recombinant Pax3 (negative control) or Pax4 proteins, and 10 μ L of PageRuler Prestained Protein Ladder (Product # 26616) per well onto a Novex® 4-20% Tris-Glycine polyacrylamide gel. Proteins were transferred to a PVDF membrane using the G2 Fast Blotter (Product # 62288), and blocked with 5% milk in TBST for at least 1 hour at room temperature. Pax4 was detected at ~38 kD using a Pax4 polyclonal antibody (Product # PA1-108) at a dilution of 1:1000 in blocking buffer overnight at 4C on a rocking platform, followed by an HRP-conjugate goat anti-rabbit IgG secondary antibody (Product # 31460) at a dilution of 1:40,000 for at least 30 minutes. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080). NOTE: The presence of Pax3 recombinant protein was determined by probing a duplicate blot with a Pax3 polyclonal antibody (Product # PA1-107), and the corresponding image is on the webpage for Product # PA1-107.



Rabbit IgG (H+L) Secondary Antibody (31460) in WB

Western blot analysis of PCNA was performed by loading 50 μ g of the indicated whole cell lysates per well, and 10 μ L of PageRuler Plus Prestained Protein Ladder (Product # 26619) onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane using the G2 Fast Blotter (Product # 62288), and blocked with StartingBlock T20 (TBS) Blocking Buffer (Product # 37543) for 1 hour at room temperature. PCNA was detected between 30-35 kDa using a PCNA polyclonal antibody (Product # PA5-16797) at a dilution of 1:50 in StartingBlock T20 (TBS) Blocking Buffer (Product # 37543) overnight at 4C on a rocking platform, followed by an HRP-conjugated goat anti-rabbit IgG secondary antibody (Product # 31460) at a dilution of 1:20,000 for 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080). Images were acquired on a Thermo Scientific myECL Imager (Product # 62236).



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67 References

Western Blot (63)

Molecular neurobiology

Prolyl Oligopeptidase Regulates Dopamine Transporter Phosphorylation in the Nigrostriatal Pathway of Mouse.

"31460 was used in western blot to assess the role of prolyl oligopeptidase in the nigrostriatal dopaminergic and GABAergic systems of wild-type C57Bl/6 and prolyl oligopeptidase knockout mice"

Authors: Julku UH, Panhelainen AE, Tiilikainen SE, Svarcbaahs R, Tammimäki AE, Piepponen TP, Savolainen MH, Myöhänen TT

Species
Not Applicable

Dilution
1:2000

Year
2018

PLoS one

Acute death of astrocytes in blast-exposed rat organotypic hippocampal slice cultures.

"31460 was used in western blot to model the effects of blast traumatic brain injury in a rat hippocampal in vitro system"

Authors: Miller AP, Shah AS, Aperi BV, Kurpad SN, Stemper BD, Glavaski-Joksimovic A

Species
Not Applicable

Dilution
1:10,000

Year
2017

[View more WB references on thermofisher.com](#)

Immunohistochemistry - Free Floating (1)

Neuron

Phosphatidylserine Exposure Controls Viral Innate Immune Responses by Microglia.

"31460 was used in immunohistochemistry - free floating to describe the mechanisms through which microglia recognize and respond to adenovirus 5 uptake"

Authors: Tufail Y, Cook D, Fourgeaud L, Powers CJ, Merten K, Clark CL, Hoffman E, Ngo A, Sekiguchi KJ, O'Shea CC, Lemke G, Nimmerjahn A

Species
Not Applicable

Dilution
Not Cited

Year
2017

Immunohistochemistry (Paraffin) (1)

Journal of cutaneous pathology

Intratumoral multinucleated giant cells are not a prognostic pathologic feature in cutaneous melanoma.

"31460 was used in immunohistochemistry - paraffin section to evaluate the presence of multinucleated giant cells as a prognostic feature of melanoma"

Authors: Srisuttiyakorn C, Bulloch K, Rodic N, Bosenberg M, Ariyan S, Narayan D, Gould Rothberg BE, Galan A

Species
Not Applicable

Dilution
1:200

Year
2016

More applications with references on thermofisher.com

IHC (1)

ELISA (1)

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