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

Product Details	
Size	1.5 mL
Species Reactivity	Sheep
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Form	Lyophilized
Concentration	0.8 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA
Contains	no preservative
Storage conditions	4° C
RRID	AB_228457

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2000-1:20,000	0 Publication
Immunohistochemistry (IHC)	1:500-1:5,000	0 Publication
Immunocytochemistry (ICC/IF)	1:500-1:5,000	-
ELISA (ELISA)	-	0 Publication

Product Specific Information

Concentration may vary slightly from lot-to-lot, see lot-specific datasheet for exact concentration.

This antibody has been successfully used in Western blot, and ICC applications.

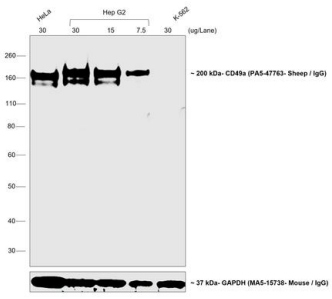
Antibody Specificity: The antibody reacts with the heavy chains of sheep IgG and with light chains common to most sheep immunoglobulins, based on immunoelectrophoresis. No antibody was detected against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

Restoration and Storage: Store product at 4°C until opened. Restore with 1.5 mL distilled water (0.8 mg/mL after restoration). Centrifuge product if it is not completely clear after standing for 1-2 hours at room temperature. To judge clarity, draw product into a pasteur pipette. Product may be stored for several weeks at 4°C as an undiluted liquid. After dilution, do not use for more than one day.

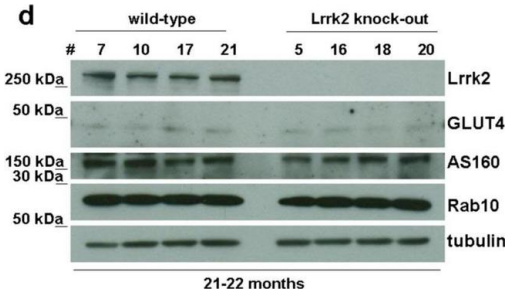
To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C.

Country of Origin: USA

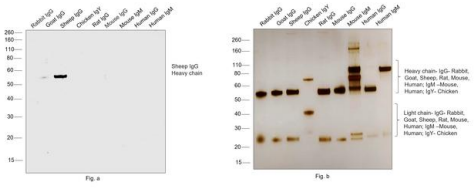
Product Images For Rabbit anti-Sheep IgG (H+L) Secondary Antibody, HRP



Sheep IgG (H+L) Secondary Antibody (31480) in WB
Chemiluminescent western blot was performed using Rabbit anti-Sheep IgG (H+L) Secondary Antibody, HRP (Product # 31480). Membrane enriched extracts of HeLa (Lane 1), Hep G2 (Lane 2, 3, 4) and K-562 (Lane 5) were electrophoresed usingNuPAGE™ 3 to 8%, Tris-Acetate, 1.0 mm, Mini Protein Gel, 10-well (Product # EC6695BOX). Resolved proteins were transferred onto anitrocellulose membrane (Product # IB23001) byiBlot® 2 Dry BlottingSystem (Product # IB21001). The blot was probed with CD49a Sheep Polyclonal Antibody (Product # PA5-47763). Secondary antibody (Product # 31480, 1: 30,000 dilution) was used for detection of CD49a by chemiluminescence with SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580) using the iBright FL 1500 (Product # A44115). The anti-sheep secondary antibody (Product # 31480) specifically detects the sheep primary antibody.



Sheep IgG (H+L) Secondary Antibody (31480) in WB
Insulin signalling in Lrrk2 deficient animals. (a) Insulin-triggered phosphorylation of IR and AS160 (Thr642) in fibroblasts from 22 months old Lrrk2 deficient rats at different time-points after stimulation and the corresponding quantification of P-IR (b, n = 7, normalized to IR-) and P-AS160 Thr642 (c, n = 10, normalized to AS160) signal intensity (mean ¬± SEM). (d) Western blot analysis (fibroblasts from 22 months old rats as example) and quantification of total GLUT4, AS160 and Rab10 expression in fibroblasts from 6 months (e) and 22 months old (f) Lrrk2 deficient and wild-type rats (normalized to tubulin, mean ¬± SEM). # are numbers of animals/cell lines. The difference in GLUT4 and AS160 signal intensity between 6 months und 22 months old sample-groups results from differences in experimental procedure and does not reflect the absolute quantity of GLUT4 or rather AS160 in these age groups. (g) Investigation of Rab10 phosphorylation by Mn2+ Phos-tag SDS-PAGE in fibroblasts from 6 months old Lrrk2 deficient and wild-type rats at different time points (0-10-30-40 min) after insulin addition and (h) corresponding quantification of P-Rab10 signal intensity in wild-type cells at different time points after stimulation (normalized to Rab10, n = 7, mean and SEM). Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30872638), licensed under a CC BY license.



Sheep IgG (H+L) Secondary Antibody (31480) in WB
Western blot was performed using Rabbit anti-Sheep IgG (H+L) Secondary Antibody, HRP (Product # 31480) and ~50 kDa band corresponding to Sheep IgG Heavy Chain was observed in Sheep IgG but not in Rabbit IgG, Rat IgG, Chicken IgY, Mouse IgG, Mouse IgM, Human IgG and Human IgM. Purified protein (100 ng) of Rabbit IgG (Lane 1), Goat IgG (Lane 2), Sheep IgG (Lane 3), Chicken IgY (Lane 4), Rat IgG (Lane 5), Mouse IgG (Lane 6), Mouse IgM (Lane 7), Human IgG (Lane 8), Human IgM (Lane 9) (Fig. a) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Rabbit anti-Sheep IgG (H+L) Secondary Antibody, HRP (Product # 31480, 1:2000 dilution) and detected using the iBright FL1500 (Product # A44115). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Fig. b). The secondary antibody showed cross reactivity with Goat IgG.

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54 References

Uracil-DNA glycosylase of murine gammaherpesvirus 68 binds cognate viral replication factors independently of its catalytic residues. mSphere (2023)

ZAK/P38 kinase signaling pathway regulates hematopoiesis by activating the NLRP1 inflammasome. EMBO Mol Med (2023)

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An affinity-directed phosphatase, AdPhosphatase, system for targeted protein dephosphorylation. Cell Chem Biol (2023)