

# Donkey anti-Sheep IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, HRP

Product Details	
Size	1 mg
Species Reactivity	Sheep
Host/Isotype	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Lyophilized
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% ProClin 150
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2534721

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:20,000	-
Immunohistochemistry (IHC)	1:500-1:20,000	-
ELISA (ELISA)	1:500-1:20,000	-

## Product Specific Information

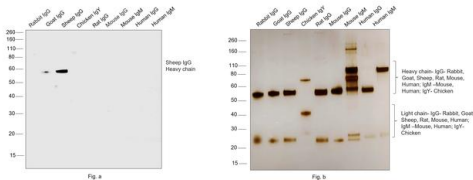
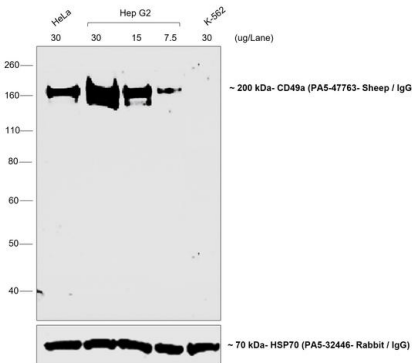
Rehydrate with 1.1 mL of deionized water and let stand 30 minutes at room temperature to dissolve. (Product has been overfilled to ensure complete recovery.) Centrifuge to remove any particulates. Prepare fresh working dilution daily. Store lyophilized material at 2-8 °C. For long term storage after reconstitution, dilute with 50% glycerol and store at -20 °C as a liquid. Based on Immunoelectrophoresis, no reactivity is observed to: non-immunoglobulin sheep serum proteins, IgG from human, mouse or rabbit.

Sheep IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A16047) in WB

Chemiluminescent western blot was performed using Donkey anti-Sheep IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, HRP (Product # A16047). Membrane enriched extracts of HeLa (Lane 1), Hep G2 (Lane 2, 3, 4) and K-562 (Lane 5) were electrophoresed using NuPAGE™ 3 to 8%, Tris-Acetate, 1.0 mm, Mini Protein Gel, 10-well (Product # EC6695BOX). Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with CD49a Sheep Polyclonal Antibody (Product # PA5-47763). Secondary antibody (Product # A16047, 1:10,000 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 # A16047) specifically detects the sheep primary antibody.

Sheep IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A16047) in WB

Western blot was performed using Donkey anti-Sheep IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, HRP (Product # A16047) 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 Donkey anti-Sheep IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, HRP (Product # A16047, 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.



9 References

Prolonged hypernutrition impairs TREM2-dependent efferocytosis to license chronic liver inflammation and NASH development. Immunity (2023)

Antagonistic roles of canonical and alternative RPA in tandem CAG repeat diseases bioRxiv (2022)

Bassoon controls synaptic vesicle release via regulation of presynaptic phosphorylation and cAMP. EMBO Rep (2022)

Targeted Ablation of Primary Cilia in Differentiated Dopaminergic Neurons Reduces Striatal Dopamine and Responsiveness to Metabolic Stress. Antioxidants (Basel) (2021)

Bassoon controls synaptic vesicle pools via regulation of presynaptic phosphorylation and cAMP homeostasis bioRxiv (2021)

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