

Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 790

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotype	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 790
Excitation/Emission Max	782/805 nm
Immunogen	Gamma Immunoglobulin
Form	liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2534144

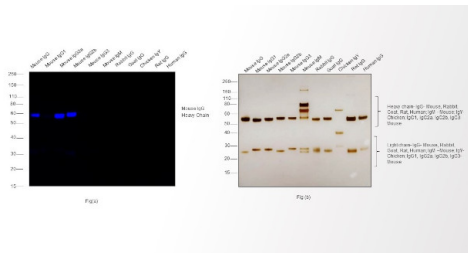
Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:50,000	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	-
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

This secondary antibody is designed for fluorescent Western blot detection on various near-infrared fluorescence instruments. This antibody can be used for multi-color and multiplexing detection when using other antibodies conjugated to compatible Alexa Fluor™ dyes and wavelengths. Other applications of this antibody include immunofluorescent and fluorescent imaging applications when using instrumentation with appropriate excitation and detection capabilities. This antibody shows minimum cross-reactivity to bovine, chicken, goat, guinea pig, hamster, horse, human, rabbit, rat, and sheep serum proteins.

Product will be shipped at Room Temperature.

Product Images For Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 790

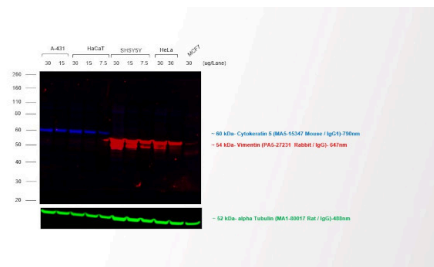


Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A11371)

Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Mouse IgG. A band at ~55 kDa corresponding to Mouse IgG Heavy Chain was observed in Mouse IgG, Mouse IgG2a, and Mouse IgG2b but not in other species using Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 790 (Product # A11371) in Western Blot. {RE}

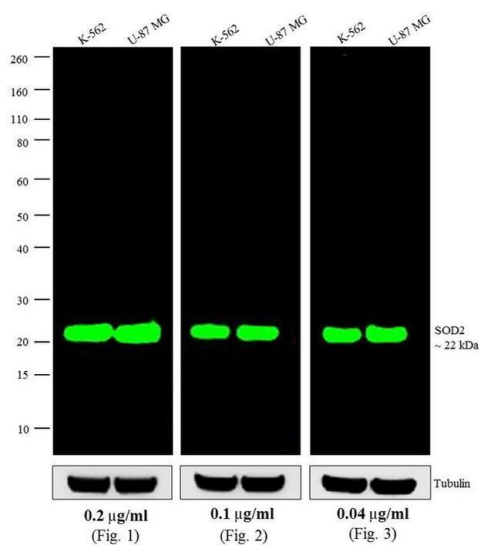
Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A11371) in WB

Multiplexed fluorescent western blot was performed using Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 790 (Product # A11371). Whole cell extracts of A-431 (Lane 1, 2), HaCaT (Lane 3, 4, 5), SH-SY5Y (Lane 6, 7, 8), HeLa (Lane 9, 10) and MCF7 (Lane 11) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Cytokeratin 5 Monoclonal Antibody (3E2F1) (Product # MA5-15347), Vimentin Rabbit IgG Polyclonal Antibody (Product # PA5-27231) and alpha Tubulin Monoclonal Antibody (YL1/2) (Product # MA1-80017). Secondary antibodies (Product # A11371, 1:20,000), (Product # A-21443, 1:10,000) and (Product # A48269, 1:10,000) were used for detection of Cytokeratin 5, Vimentin and alpha Tubulin respectively. Fluorescent detection was performed using iBright™ FL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A11371) specifically detects the mouse primary antibody.



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A11371) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of K-562 (Lane 1) and U-87 MG (Lane 2). The blots were probed with Anti-SOD2 Mouse Monoclonal Antibody (Product # MA1-106, 2 µg/mL) and detected using Donkey anti-Mouse IgG Secondary Antibody, Alexa Fluor 790 (Product # A11371) at dilutions 0.2 µg/mL (Fig. 1), 0.1 µg/mL (Fig. 2) and 0.04 µg/mL (Fig. 3). A 22 kDa band corresponding to SOD2 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. Fluorescent detection was performed using the Odyssey® Fc imaging system (Li-cor Biosciences).



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25 References

Chronic intake of high dietary sucrose induces sexually dimorphic metabolic adaptations in mouse liver and adipose tissue. *Nat Commun* (2022)

p57Kip2 imposes the reserve stem cell state of gastric chief cells. *Cell Stem Cell* (2022)

Differential photoregulation of the nuclear and cytoplasmic CRY1 in Arabidopsis. *New Phytol* (2022)

MiR-185-5p regulates the development of myocardial fibrosis. *J Mol Cell Cardiol* (2022)

Operation of the Atypical Canonical Bone Morphogenetic Protein Signaling Pathway During Early Human Odontogenesis. *Front Physiol* (2022)

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