Rabbit anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 680

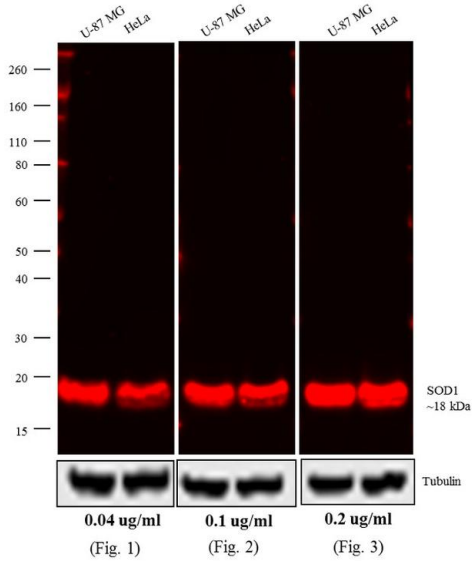
Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® 680
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage Conditions	4° C, store in dark
RRID	AB_2535728

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	0.04-0.2 µg/mL	2 Publications
Immunocytochemistry (ICC)	✓	1-10 µg/mL	
Immunofluorescence (IF)	✓	1-10 µg/mL	

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.

Product Images For Rabbit anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 680



Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21065) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of U-87 MG (Lane 1) and HeLa (Lane 2). The blots were probed with Anti-SOD1 Mouse Monoclonal Antibody (Product # MA1-105, 2 µg/mL) and detected using Rabbit-anti Mouse IgG Cross Adsorbed Secondary Antibody Alexa Fluor-680 (Product # A-21065) at dilutions 0.04 µg/mL (Fig. 1), 0.1 µg/mL (Fig. 2) and 0.2 µg/mL (Fig. 3). A 18 kDa band corresponding to SOD1 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).

2 References

Western Blot (2)

Journal of visualized experiments : JoVE

Cycloheximide Chase Analysis of Protein Degradation in Saccharomyces cerevisiae.

"A-21065 was used in western blot to study protein degradation in saccharomyces cerevisiae by cycloheximide chase analysis"

Authors: Buchanan BW,Lloyd ME,Engle SM,Rubenstein EM

Species
Not Applicable

Dilution
Not Cited

Year
2016

Molecular medicine reports

Time-dependent homeostasis between glucose uptake and consumption in astrocytes exposed to CoCl treatment.

"A-21065 was used in western blot to examine the effects of hypoxia on glucose transporters expressed by astrocytes"

Authors: Wang P,Li L,Zhang Z,Kan Q,Chen S,Gao F

Species
Not Applicable

Dilution
1:10,000

Year
2016