Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 800

Product Details	
Size	1 mg
Species Reactivity	Mouse
Host/Isotope	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® Plus 800
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	Affinity chromatography
Storage buffer	proprietary buffer, pH 6.5
Contains	0.016% Methylisothiazolone, 0.016% Bromonitrodioxane
Storage Conditions	4° C, store in dark
RRID	AB_2633279

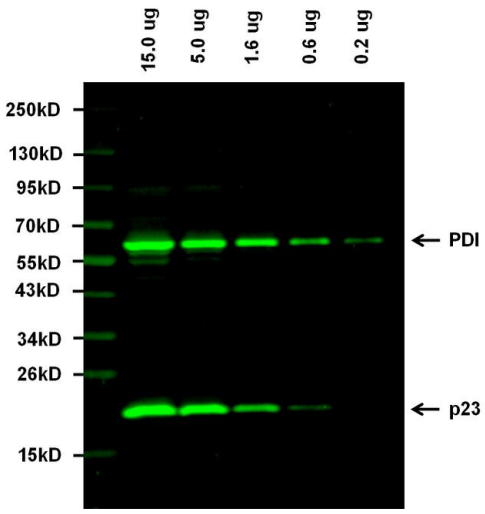
Applications	Tested	Dilution	Published
Western Blot (WB)	✓	0.02-0.1 µg/mL	1 Publication

Product Specific Information

To minimize cross-reactivity, the goat anti-mouse IgG whole antibodies have been pre cross-adsorbed against bovine IgG, goat IgG, rabbit IgG, rat IgG, human IgG, and human serum. Cross-adsorption or pre-adsorption is a purification step to increase specificity of the antibody resulting in less background staining and cross-reactivity. The secondary antibody solution is passed through a column matrix containing immobilized serum proteins from potentially cross-reactive species. Only the nonspecific-binding secondary antibodies are captured in the column, and the highly specific secondaries flow through. Further passages through additional columns result in highly cross-adsorbed preparations of secondary antibody. The benefits of these extra steps are apparent in multiplexing/multicolor-staining experiments where there is potential cross-reactivity with other primary antibodies or in tissue/cell fluorescent staining experiments where there may be the presence of endogenous immunoglobulins.

Using conjugate solutions: Centrifuge the protein conjugate solution briefly in a microcentrifuge before use; add only the supernatant to the experiment. This step will help eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining. Because staining protocols vary with application, the appropriate dilution of antibody should be determined empirically.

Product Images For Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 800



Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody (A32730) in WB
Western blot analysis of protein disulphide-isomerase (PDI) and progesterone receptor complex (p23) was performed by loading 3-fold serial dilutions of A431 whole cell lysate (starting at 15 µg) and 2 µL of the PageRuler Prestained NIR Protein Ladder (Product # 26635) per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to Nitrocellulose Membranes (Product # 88018) and blocked with Fluorescence Blocker for 30 min. Membranes were probed with a PDI monoclonal antibody (Product # MA3-019) at a dilution of 1:5000 and a p23 monoclonal antibody at a dilution of 1:1000 (Product # MA3-414) overnight at 4°C on a rocking platform, washed with TBST, and probed with an Invitrogen Alexa Fluor Plus 800 Goat anti-Mouse IgG secondary antibody (Product # A32730) at dilutions of 1:40,000 for 45 minutes. Blots were imaged on an Infrared fluorescence imaging system.

1 Reference

Western Blot (1)

Frontiers in molecular neuroscience

GLYX-13 Ameliorates Schizophrenia-Like Phenotype Induced by MK-801 in Mice: Role of Hippocampal NR2B and DISC1.

Authors: Zhou D,Lv D,Wang Z,Zhang Y,Chen Z,Wang C

Species
Not Applicable

Dilution
1:10000

Year
2018