Goat anti-Rabbit IgG (H+L) Secondary Antibody, AP

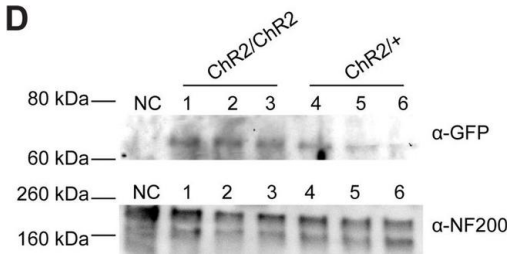
Product Details	
Size	100 µL
Species Reactivity	Rabbit
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	AP
Immunogen	Gamma Immunoglobin
Form	Liquid
Purification	Affinity chromatography
Storage buffer	TBS with 50% glycerol, 1.5% BSA
Contains	0.05% sodium azide
Storage conditions	4° C
RRID	AB_11180336

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	0 Publication
Immunohistochemistry (IHC)	1:1,000	-
ELISA (ELISA)	1:1,000	-
Miscellaneous PubMed (Misc)	-	0 Publication

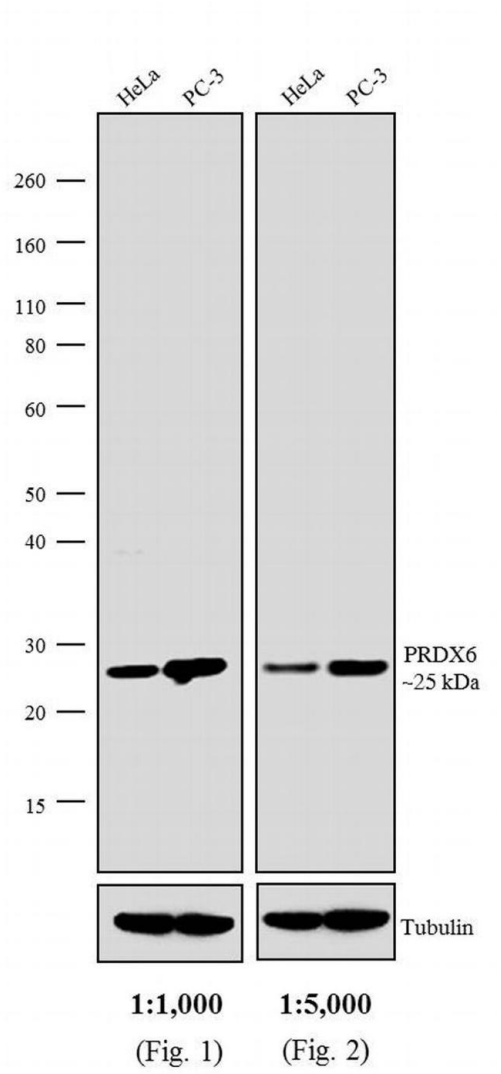
Product Specific Information

This Alkaline Phosphatase Conjugated secondary antibody can be used with the ELISA-Light Immunoassay, Western-Light, and Western-Star Western Blotting Detection Systems. This labeled secondary antibody ensures minimal nonspecific cross-reactivity. Life Technology has optimized its alkaline phosphatase secondary antibody conjugates for Western blotting or immunoassay procedures incorporating chemiluminescent 1,2-dioxetane enzyme substrates. Optimized for use in blotting applications with dioxetane-based substrate solutions (CSPD or CDP-Star substrates), providing consistent experiment-to-experiment results. High specific activity of conjugates provides high sensitivity of detection with dioxetane-based substrate solutions (CSPD or CDP-Star substrates). Low non-specific binding provides highest possible signal-to-noise in western blotting and immunoassay applications. Easy to Use The recommended initial working dilution for the labeled antibodies is 1: 5,000 for AP conjugates. The conjugate is tested and optimized for low background with chemiluminescent detection procedures.

Product Images For Goat anti-Rabbit IgG (H+L) Secondary Antibody, AP



Rabbit IgG (H+L) Secondary Antibody (T2191) in WB
RosaChR2-EYFP expression levels.(A and B). Native (no immunostaining) ChR2-EYFP fluorescence of MrgprdCreERT2; RosaChR2-EYFP (P10-P17 tamoxifen) DRG sections. (C) T10-T12 and L4-L5 DRG cell body fluorescence frequency distributions overlap, indicating no regional change in ChR2-EYFP expression level. n = 814 T10-T12 neurons from 3 animals, 853 L4-L5 neurons from 3 animals. Scale bars = 100 µm. (D) Western blot of DRG lysates from one negative control mouse (CD1 wildtype, NC), 3 MrgprdCreERT2; RosaChR2-EYFP /ChR2-EYFP mice (ChR2/ChR2, 1-3), and 3 MrgprdCreERT2; RosaChR2-EYFP /+ (ChR2/+, 4-6) mice with anti-GFP antibody (against ChR2-EYFP) and anti-NF200 as a loading control. (E) Quantification of ChR2-EYFP band intensity (normalized to upper NF200 loading control band) shows that ChR2 heterozygous DRGs show a ~ 40% reduction in ChR2-EYFP expression compared to homozygotes. p=0.09 (Student's t-test). Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/29022879), licensed under a CC BY license.



Rabbit IgG (H+L) Secondary Antibody (T2191) in WB
Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of HeLa (Lane 1) and PC-3 (Lane 2). The blots were probed with Anti-PRDX6 Recombinant Rabbit Monoclonal Antibody (Product # 702211, 2 µg/mL) and detected using Goat anti-Rabbit IgG (H+L) Secondary Antibody, AP conjugate (Product # T2191) at dilutions 1:1,000 (Fig. 1) and 1:5,000 (Fig. 2). A 25 kDa band corresponding to PRDX6 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. Chemiluminescent detection of alkaline phosphatase (AP) was performed using Novex® AP Chemiluminescent Substrate (CDP-Star®) (Product # WP20002) with Novex® AP Chemiluminescent Substrate Enhancer (Nitro Block II™) (Product # WP20003).

20 References

Accelerated prime-and-trap vaccine regimen in mice using repRNA-based CSP malaria vaccine. NPJ Vaccines (2024)

Accelerated prime-and-trap vaccine regimen in mice using repRNA-based CSP malaria vaccine Research Square (2023)

Identification of protein interactions of grapevine fanleaf virus RNA-dependent RNA polymerase during infection of Nicotiana benthamiana by affinity purification and tandem mass spectrometry. J Gen Virol (2021)

Acute Nicotine Exposure Alters Ventral Tegmental Area Inhibitory Transmission and Promotes Diazepam Consumption. Eneuro (2020)

Inflammation Triggers Liver X Receptor-Dependent Lipogenesis. Mol Cell Biol (2020)