

Product Datasheet

PRDX2 Antibody (C-term) (orb1931333)

Catalog Number	orb1931333
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	PRDX2
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Hamster, Rat
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Immunogen	This PRDX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-198 amino acids from the C-terminal region of human PRDX2. Antigen Region: 169-198 aa.
UniProt ID	P32119
MW	21892 Da
Tested applications	IF, IHC-P, WB
Dilution range	IF - 1:10-50, WB - 1:1000, IHC-P - 1:50-100

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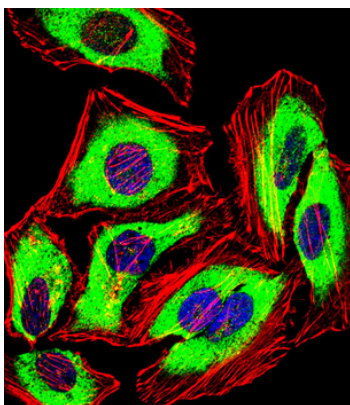
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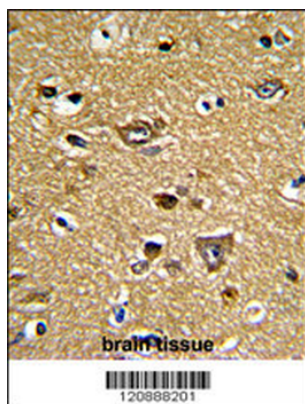
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Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_005800.3
Expiration Date	12 months from date of receipt.



Fluorescent confocal image of HeLa cell stained with PRDX2 Antibody (C-term). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with PRDX2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). PRDX2 immunoreactivity is localized to Cytoplasm significantly.



Formalin-fixed and paraffin-embedded human brain tissue reacted with PRDX2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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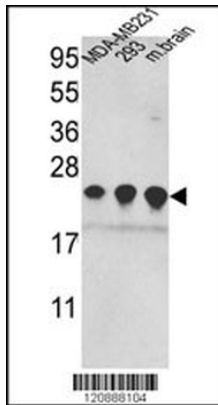
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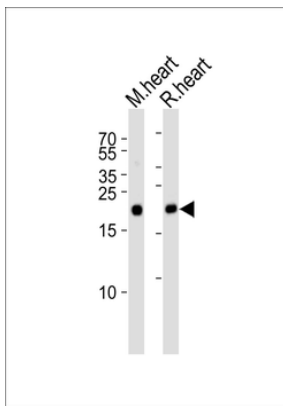
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Western blot analysis of PRDX2 Antibody (C-term) in MDA-MB231, 293 cell line and mouse brain tissue lysates (35 ug/lane). PRDX2 (arrow) was detected using the purified Pab. (2 ug/ml)



Western blot analysis of lysates from mouse heart and rat heart tissue lysate (from left to right), using PRDX2 Antibody (C-term). Diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 ug per lane.

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