

Product datasheet for TA324756S

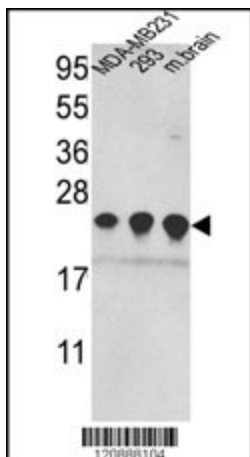
Peroxiredoxin 2 (PRDX2) Rabbit Polyclonal Antibody

Product data:

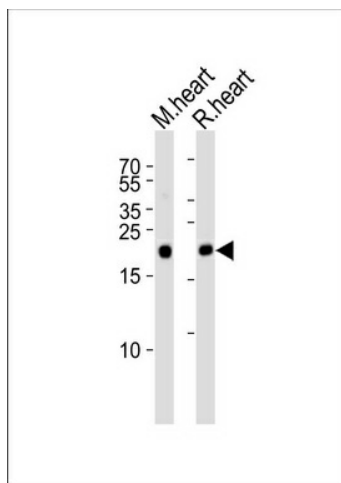
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IF: 1:10~50, IHC: 1:50~100
Reactivity:	Human, Mouse (Predicted: Rat, Bovine, Hamster, Monkey)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This PRDX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-198 amino acids from the C-terminal region of human PRDX2.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	21892 Da
Gene Name:	peroxiredoxin 2
Database Link:	NP_005800 Entrez Gene 21672 Mouse Entrez Gene 29338 Rat Entrez Gene 716665 Monkey Entrez Gene 7001 Human P32119
Synonyms:	HEL-S-2a; NKEF-B; NKEFB; PRP; PRX2; PRXII; PTX1; TDPX1; TPX1; TSA
Protein Families:	Druggable Genome


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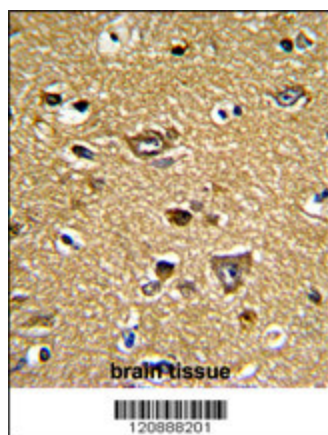
Product images:



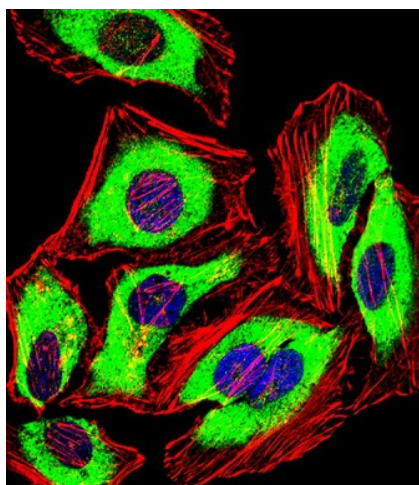
Western blot analysis of PRDX2 Antibody (C-term) (Cat. #[TA324756]) in MDA-MB231, 293 cell line and mouse brain tissue lysates (35ug/lane).PRDX2 (arrow) was detected using the purified Pab. (2ug/ml)



Western blot analysis of lysates from mouse heart and rat heart tissue lysate (from left to right), using PRDX2 Antibody (C-term) (Cat. # [TA324756]). [TA324756] was 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 35ug per lane.



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.



IF image of HeLa cell stained with PRDX2 Antibody (C-term) (Cat#[TA324756]). HeLa cells were 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). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml). Nuclei were counterstained with DAPI (blue). PRDX2 immunoreactivity is localized to Cytoplasm significantly.