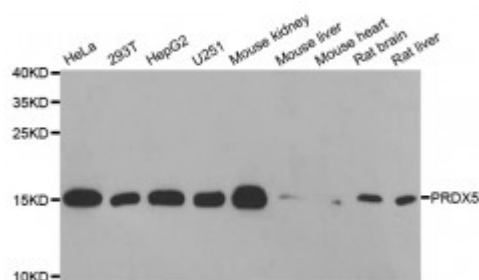


Anti-PRDX5 Antibody



Description

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene.

Model	STJ114933
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 53-214 of human PRDX5 (NP_036226.1).
Gene ID	25824
Gene Symbol	PRDX5
Dilution range	WB 1:500 - 1:2000 IF 1:20 - 1:50
Tissue Specificity	Widely expressed
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Peroxiredoxin-5 mitochondrial
Molecular Weight	22.086 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9355OMIM:606583Reactome:R-HSA-3299685
Alternative Names	Peroxiredoxin-5 mitochondrial
Function	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively, Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events,
Cellular Localization	Isoform Mitochondrial: Mitochondrion

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