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PRDX2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12896

Product Information

Application	WB, IHC
Primary Accession	P35704
Other Accession	NM_005809, NP_005800
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep, Yeast
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Guinea Pig, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21784

Additional Information

Gene ID	29338
Alias Symbol	MGC4104, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA, TPX1
Other Names	Peroxiredoxin-2, 1.11.1.15, Thiol-specific antioxidant protein, TSA, Thioredoxin peroxidase 1, Thioredoxin-dependent peroxide reductase 1, Prdx2, Tdpx1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PRDX2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PRDX2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

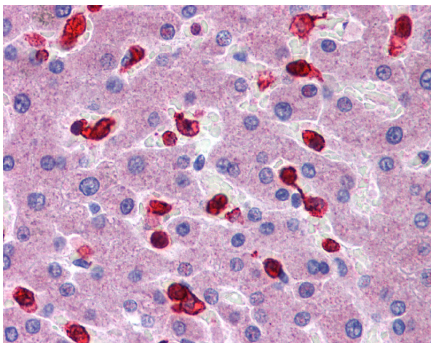
Name	Prdx2
Synonyms	Tdpx1
Function	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H(2)O(2).

Cellular Location Cytoplasm {ECO:0000250|UniProtKB:P32119}.

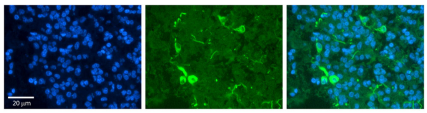
References

Fang,J.,(2007)Proc.Natl.Acad.Sci.U.S.A.104(47),18742-18747ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

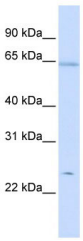
Images



Liver



Rabbit Anti-PRDX2 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue Observed Staining: Cytoplasmic in cell bodies and processes of pinealocytes
Primary Antibody
Concentration: 1:100 Other Working Concentrations: 1/600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



WB Suggested Anti-PRDX2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Hela cell lysate
PRDX2 is supported by BioGPS gene expression data to be expressed in HeLa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.