

# PRDX2 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12896

## Product Information

<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">P35704</a>
<b>Other Accession</b>	<a href="#">NM_005809</a> , <a href="#">NP_005800</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep, Yeast
<b>Predicted Host</b>	Human, Mouse, Rat, Zebrafish, Pig, Guinea Pig, Bovine, Sheep
<b>Clonality</b>	Rabbit
<b>Calculated MW</b>	Polyclonal 21784

## Additional Information

<b>Gene ID</b>	29338
<b>Alias Symbol</b>	MGC4104, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA, TPX1
<b>Other Names</b>	Peroxiredoxin-2, 1.11.1.15, Thiol-specific antioxidant protein, TSA, Thioredoxin peroxidase 1, Thioredoxin-dependent peroxide reductase 1, Prdx2, Tdpx1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	PRDX2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	Prdx2
<b>Synonyms</b>	Tdpx1
<b>Function</b>	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 <sub>2</sub> O <sub>2</sub> .

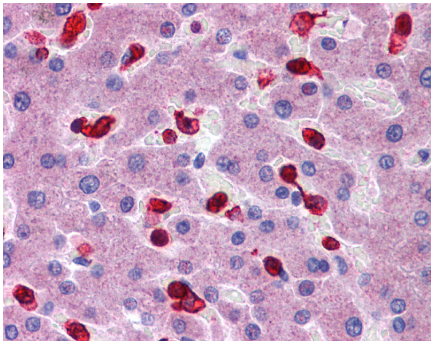
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P32119}.

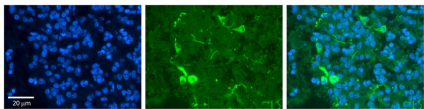
References

Fang,J.,(2007)Proc.Natl.Acad.Sci.U.S.A.104(47),18742-18747ReconstitutionandStorage:Forshorttermuse,store at2-8Cupto1week.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'.