

Datasheet for ABIN2773920

anti-Peroxiredoxin 1 antibody (N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	Peroxiredoxin 1 (PRDX1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRDX1
Sequence:	SSGNAKIGHP APNFKATAVM PDGQFKDISL SDYKGKYVVF FFYPLDFTFV
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against PRDX1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Peroxiredoxin 1 (PRDX1)
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Target Details

Alternative Name:	PRDX1 (PRDX1 Products)
Background:	<p>PRDX1 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. It may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. 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 cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Three transcript variants encoding the same protein have been identified for this gene.</p> <p>Alias Symbols: MSP23, NKEFA, PAG, PAGA, PAGB, PRX1, TDPX2, PRXI</p> <p>Protein Interaction Partner: FUS, UBC, MDM2, RPA3, RPA2, RPA1, SUZ12, CACYBP, HECTD1, PRDX2, PRKDC, PPP2R5D, METTL1, PARK2, YWHAQ, VHL, EGFR, CDK2, RAD52, MPG, US3, SH2D1B, LUC7L, HCVgp1, PRDX4, IQCB1, BTRC, UBL4A, VCAM1, SMARCD1, FN1, DAB2, ADH5, ABL1, MYD88, MYC, ITGA4, TIPIN, EIF4</p> <p>Protein Size: 199</p>
Molecular Weight:	22 kDa
Gene ID:	5052
NCBI Accession:	NM_002574 , NP_002565
UniProt:	Q06830
Pathways:	p53 Signaling , EGFR Signaling Pathway , CXCR4-mediated Signaling Events

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 199 AA
Restrictions:	For Research Use only

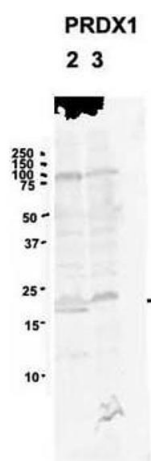
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

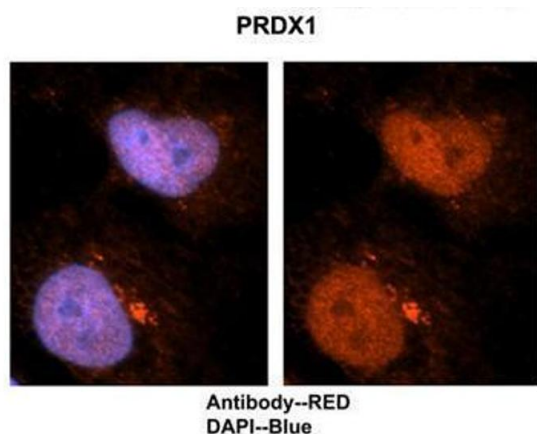
Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



See Immunoblot 2 Data for more information.



See IHC 1 Data and Customer Feedback for more information

Western Blotting

Image 1. Sample Type: 2. mouse brain extracts (80ug)

3. rat brain extract (80ug)

Primary Antibody Dilution: 2ug/ml

Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

Image Submitted by: Yuzhi Chen

University of Arkansas for Medical Science

Immunohistochemistry

Image 2. Researcher: Dr. Yuzhi Chen, University of Arkansas for Medical Science Application: IHC Species+tissue/cell type: Human brain stem cells Primary antibody dilution: 1:500 Secondary antibody: Goat anti-rabbit Alexa-Fluor 594 Secondary antibody dilution: 1:1000



Western Blotting

Image 3. WB Suggested Anti-PRDX1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2773920.