

Datasheet for ABIN750478  
**anti-Peroxiredoxin 1 antibody (AA 1-100)**[Go to Product page](#)[2 Images](#)[2 Publications](#)

## Overview

Quantity:	100 µL
Target:	Peroxiredoxin 1 (PRDX1)
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PRDX1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	Peroxiredoxin 1 (PRDX1)
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## Target Details

Alternative Name:	Prdx1 ( <a href="#">PRDX1 Products</a> )
Background:	<p>Synonyms: PAG, PAGA, PAGB, PRX1, PRXI, MSP23, NKEFA, TDPX2, NKEF-A, Peroxiredoxin-1, Natural killer cell-enhancing factor A, Proliferation-associated gene protein, Thioredoxin peroxidase 2, Thioredoxin-dependent peroxide reductase 2, PRDX1</p> <p>Background: Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H(2)O(2). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).</p>
Gene ID:	5052
UniProt:	<a href="#">Q06830</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">CXCR4-mediated Signaling Events</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

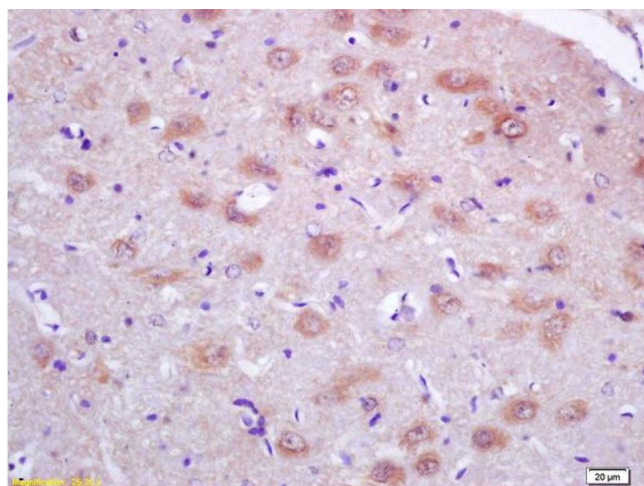
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

Product cited in: Fu, Huang, Wang, Chen, Huang, Lu, Liang, Zhang: "Proteome Profile and Quantitative Proteomic Analysis of Buffalo (*Bubalus bubalis*) Follicular Fluid during Follicle Development." in: **International journal of molecular sciences**, Vol. 17, Issue 5, (2016) ([PubMed](#)).

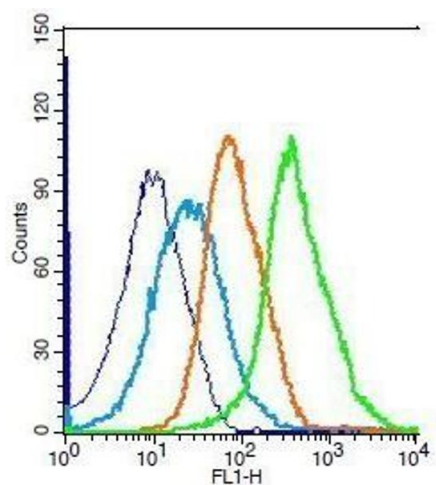
Sun, Zhu, Wang, Lv, Zhou, Yu, Xu, Ma, Zhong, Jia: "Diagnostic and prognostic significance of peroxiredoxin 1 expression in human hepatocellular carcinoma." in: **Medical oncology (Northwood, London, England)**, Vol. 31, Issue 1, pp. 786, (2013) ([PubMed](#)).

## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-PRDX1 Polyclonal Antibody, Unconjugated (ABIN750478) at 1:200, followed by conjugation to the secondary antibody and DAB staining



### Flow Cytometry

**Image 2.** Mouse splenocytes probed with Rabbit Anti-PRDX1 Polyclonal Antibody, Unconjugated .