



Datasheet for ABIN7162930  
**anti-Peroxiredoxin 1 antibody (AA 1-199)**



[Go to Product page](#)

3 Images

### Overview

Quantity:	100 µg
Target:	Peroxiredoxin 1 (PRDX1)
Binding Specificity:	AA 1-199
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant Human Peroxiredoxin-1 protein (1-199AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	Peroxiredoxin 1 (PRDX1)
Alternative Name:	PRDX1 ( <a href="#">PRDX1 Products</a> )
Background:	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

## Target Details

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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<sub>2</sub>O<sub>2</sub>. Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation

Aliases: Heme binding 23 kDa protein antibody, MSP23 antibody, Natural killer cell-enhancing factor A antibody, NKEF A antibody, NKEF-A antibody, NKEFA antibody, OSF3 antibody, Osteoblast specific factor 3 antibody, PAG antibody, Paga antibody, PAGB antibody, Peroxiredoxin 1 antibody, Peroxiredoxin-1 antibody, PRDX1 antibody, PRDX1\_HUMAN antibody, Proliferation associated gene A antibody, Proliferation-associated gene protein antibody, PRX1 antibody, Prx1 antibody, TDPX2 antibody, Thioredoxin peroxidase 2 antibody, Thioredoxin-dependent peroxide reductase 2 antibody

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UniProt: [Q06830](#)

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Pathways: [p53 Signaling](#), [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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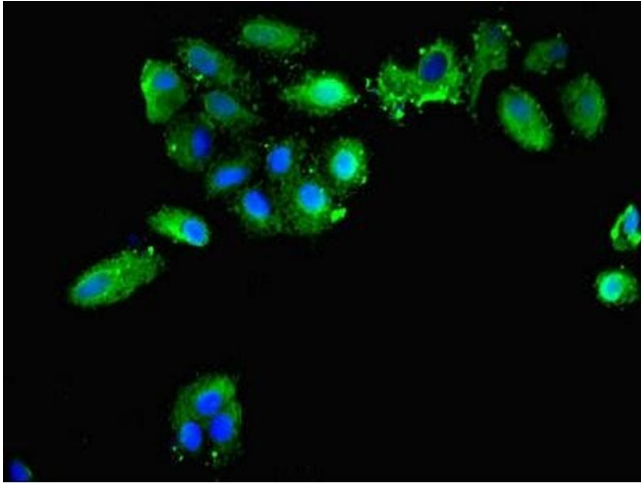
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

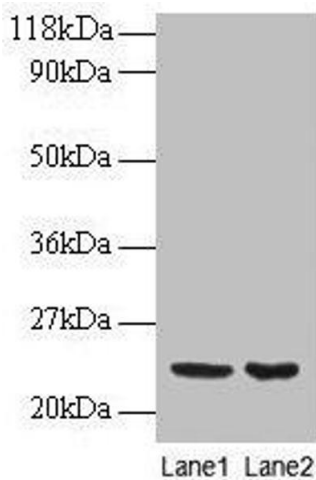
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



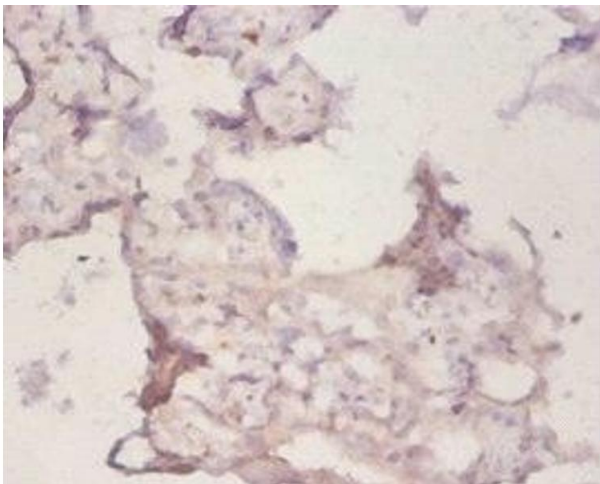
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7162930 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Western Blotting

**Image 2.** Western blot All lanes: PRDX1 antibody at 2 µg/mL  
Lane 1: EC109 whole cell lysate Lane 2: 293T whole cell lysate  
Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution  
Predicted band size: 23 kDa Observed band size: 23 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7162930 at dilution of 1:50