

Datasheet for ABIN7250164
anti-Peroxiredoxin 1 antibody[Go to Product page](#)

3 Images

Overview

Quantity:	200 µL
Target:	Peroxiredoxin 1 (PRDX1)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Peroxiredoxin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant Protein
Clone:	2J5
Isotype:	IgG
Characteristics:	Monoclonal Antibody
Purification:	Protein A purification

Target Details

Target:	Peroxiredoxin 1 (PRDX1)
Alternative Name:	PRDX1 (PRDX1 Products)
Background:	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided

Target Details

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 H₂O₂. Reduces an intramolecular disulfide bond in GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation.

Molecular Weight: 21 kDa

UniProt: [Q06830](#)

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

Application Details

Application Notes: WB 1:500-1:3000, IHC 1:50-1:300, IF 1:100-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

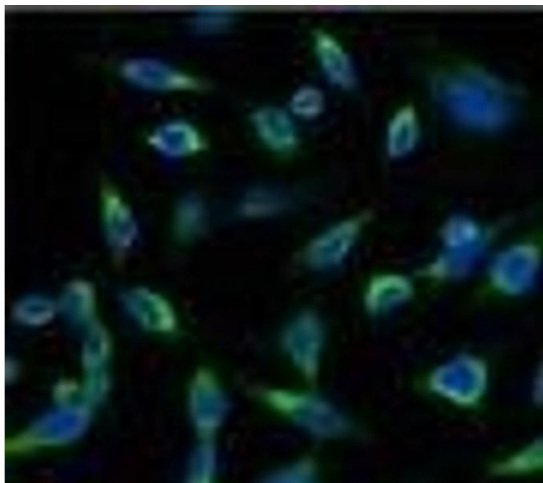
Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.4.

Preservative: Sodium azide

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

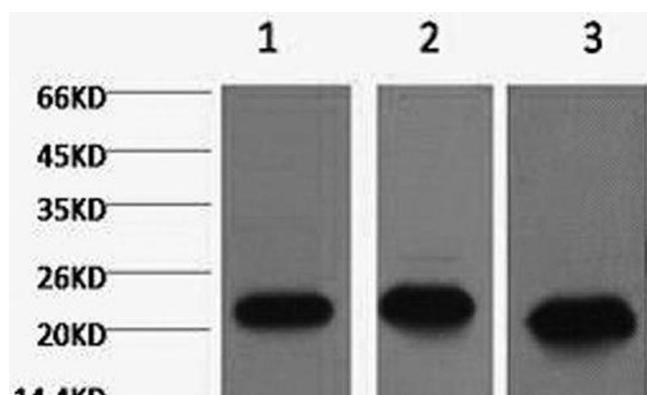
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa tissue using PRDX1 Monoclonal Antibody at dilution of 1:100.



Western Blotting

Image 2. Western Blot analysis of 1) MCF7, 2) Rat kidney, 3) Mouse brain using PRDX1 Monoclonal Antibody at dilution of 1:2000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human uterus cancer tissue using PRDX1 Monoclonal Antibody at dilution of 1:200.