

# PRDX1 Monoclonal Antibody

Catalog Number:E-AB-22067



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

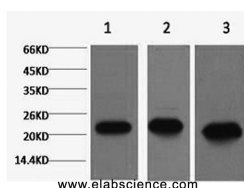
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Recombinant Protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	Clone:2J5
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

## Applications Recommended Dilution

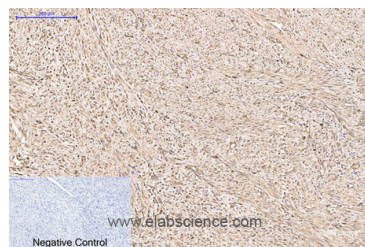
<b>WB</b>	1:500-1:3000
<b>IHC</b>	1:50-1:300
<b>IF</b>	1:100-1:200

## Data

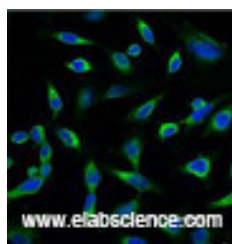


Western Blot analysis of 1) MCF7, 2) Rat kidney, 3) Mouse brain using PRDX1 Monoclonal Antibody at dilution of 1:2000.

**Observed Mw:21kDa**



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



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

## Preparation & Storage

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

## Background

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin

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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<sub>2</sub>O<sub>2</sub>. Reduces an intramolecular disulfide bond in GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation.

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