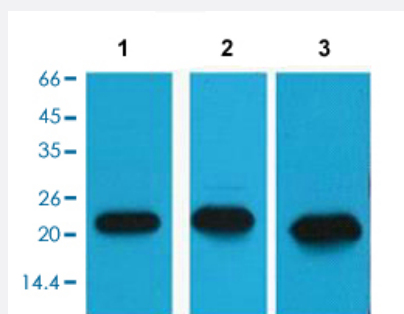


# PRDX1 monoclonal antibody, clone 8e7

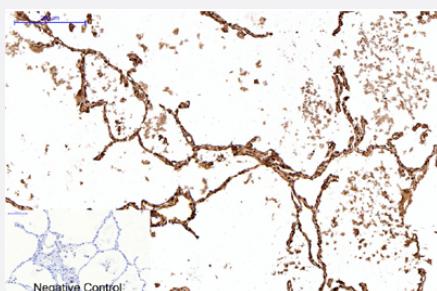
Catalog # MAB15254      Size 100 uL

## Applications



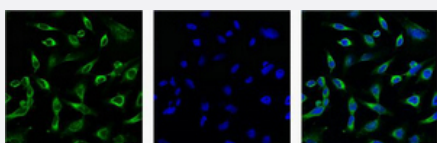
### Western Blot

Western Blot analysis of Lane 1: MCF7 cell, Lane 2: rat kidney tissue and Lane 3: mouse brain tissue.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human lung tissue. MAB15254 at 1:200 (4°C, overnight). Antigen retrieval - Sodium Citrate pH6 (>98°C, 20 min). Secondary - 1:200 (room temp., 30 min). Negative control - Secondary only.



### Immunofluorescence

Immunofluorescence staining of HeLa cell line with antibody (Left), DAPI (Middle) and merge (Right).

## Specification

### Product Description

Mouse monoclonal antibody raised against partial recombinant human PRDX1.

### Immunogen

Recombinant protein corresponding to human PRDX1.

Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Isotype	IgG1
Recommend Usage	Immunofluorescence (1:100-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:300) Western Blot (1:1000-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: MCF7 cell, Lane 2: rat kidney tissue and Lane 3: mouse brain tissue.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

Immunofluorescence staining of HeLa cell line with antibody (Left), DAPI (Middle) and merge (Right).

## Gene Info — PRDX1

Entrez GeneID	<a href="#">5052</a>
Protein Accession#	<a href="#">Q06830</a>
Gene Name	PRDX1
Gene Alias	MSP23, NKEFA, PAG, PAGA, PAGB, PRX1, PRXI, TDPX2

Gene Description	peroxiredoxin 1
Omim ID	<a href="#">176763</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000009234 natural killer-enhancing factor A proliferation-associated gene A thioredoxin-dependent peroxide reductase 2

## Disease

- [Alzheimer disease](#)
- [Cognition](#)