Mouse Peroxiredoxin 1 Monoclonal Antibody | anti-PRDX1 antibody

Peroxiredoxin 1 Monoclonal Antibody (8E7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320441	**Mouse**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

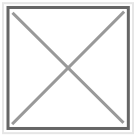
PRODUCT SYNONYMS

Peroxiredoxin 1; Monoclonal Antibody; Peroxiredoxin 1 Monoclonal Antibody (8E7); Peroxiredoxin-1; PRDX1; PAGA; PAGB; TDPX2; Natural killer cell-enhancing factor A; NKEF-A; Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2; anti-PRDX1 antibody

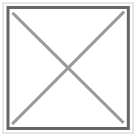
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	8E7
Specificity	The antibody detects endogenous Peroxiredoxin 1 protein.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-PRDX1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein of Peroxiredoxin-1
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



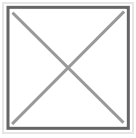
IF (Immunofluorescence)
Immunofluorescence analysis of Rat-brain tissue. 1.Peroxiredoxin 1 Monoclonal Antibody(8E7)(red) was diluted at 1:200(4 degree C.overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature. 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



IF (Immunofluorescence)
Immunofluorescence analysis of Human-appendix tissue. 1.Peroxiredoxin 1 Monoclonal Antibody(8E7)(red) was diluted at 1:200(4 degree C.overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature. 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

IF (Immunofluorescence)
IF analysis of Hela with antibody (Left) and DAPI (Right) diluted at 1:100.

IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1.Peroxiredoxin 1 Monoclonal Antibody(8E7) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



WB (Western Blot)
Western blot analysis of 1) MCF7. 2) Rat Kidney Tissue. 3) Mouse Brain Tissue. diluted at 1:2000.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX1 antibody	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. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011]
Product Categories/Family for anti-PRDX1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	548453
NCBI GeneID	5052
UniProt Accession #	Q06830; P35703; Q2V576; Q5T154; Q5T155; B5BU26; D3DPZ8
Molecular Weight	199
NCBI Official Full Name	Peroxiredoxin-1
NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	PRDX1
NCBI Official Synonym Symbols	PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A
NCBI Protein Information	peroxiredoxin-1; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2
UniProt Protein Name	Peroxiredoxin-1
UniProt Gene Name	**PRDX1**
UniProt Synonym Gene Names	PAGA; PAGB; TDPX2; NKEF-A; PAG
UniProt Entry Name	PRDX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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