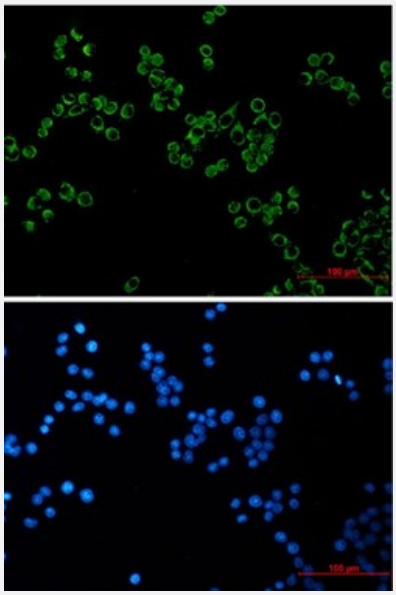
RecomAb™

PRDX3 recombinant monoclonal antibody, clone R07-3I3

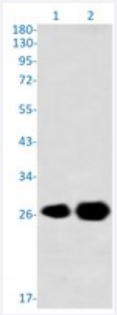
Catalog # RAB04473 Size 100 uL

Applications



Immunocytochemistry

Immunocytochemistry staining of HeLa cells with PRDX3 recombinant monoclonal antibody, clone R07-3I3 (Cat # RAB04473) (green). DAPI was stained the cell nucleus (blue).



Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate and Lane 2: HL-60 whole cell lysate with PRDX3 recombinant monoclonal antibody, clone R07-3I3 (Cat # RAB04473).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PRDX3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PRDX3.

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Theoretical MW (kDa)	Calculated MW: 28 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry

  Immunocytochemistry staining of HeLa cells with PRDX3 recombinant monoclonal antibody, clone R07-3I3 (Cat # RAB04473) (green). DAPI was stained the cell nucleus (blue).

- Immunoprecipitation
- Western Blot

  Western blot analysis of Lane 1: HeLa whole cell lysate and Lane 2: HL-60 whole cell lysate with PRDX3 recombinant monoclonal antibody, clone R07-3I3 (Cat # RAB04473).

Gene Info — PRDX3

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Entrez GeneID	10935
Protein Accession#	P30048
Gene Name	PRDX3
Gene Alias	AOP-1, AOP1, MER5, MGC104387, MGC24293, PRO1748, SP-22
Gene Description	peroxiredoxin 3
Omim ID	604769
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with antioxidant function and is localized in the mitochondrion. This gene shows significant nucleotide sequence similarity to the gene coding for the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase. Expression of this gene product in E. coli deficient in the C22-subunit gene rescued resistance of the bacteria to alkylhydroperoxide. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologues suggest that these genes consist of a family that is responsible for regulation of cellular proliferation, differentiation, and antioxidant functions. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000020590|antioxidant protein 1|thioredoxin-dependent peroxide reductase

Disease

- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease

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