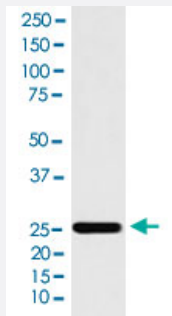


PRDX3 monoclonal antibody, clone ACEG-16

Catalog # MAB22226 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MCF-7 cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PRDX3.
Immunogen	A synthetic peptide corresponding to human PRDX3.
Host	Rabbit
Reactivity	Human
Specificity	The antibody reacts with human PRDX3, in native form and recombinant. Superfamily members of P RDX3 are not reactive to this antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:80) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MCF-7 cell lysate.

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — PRDX3

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](#)