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Peroxiredoxin 3 Antibody

Rabbit mAb
Catalog # AP91432

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P30048
Reactivity	Human
Clonality	Monoclonal
Other Names	AOP1; HBC189; MER5; peroxiredoxin 3; Peroxiredoxin III; PRDX3; PRO1748; Protein MER5 homolog; PRX III; PRX3; SP22;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	27693

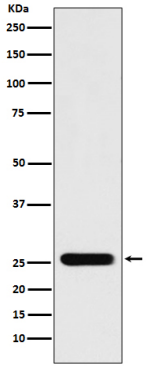
Additional Information

Dilution	WB 1:1000~1:5000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:80 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Peroxiredoxin 3
Description	Involved in redox regulation of the cell. Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	PRDX3
Synonyms	AOP1
Function	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides (PubMed:17707404, PubMed:29438714, PubMed:33889951, PubMed:7733872). Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol (PubMed:12492477). Required for the maintenance of physical strength (By similarity).
Cellular Location	Mitochondrion. Cytoplasm. Early endosome. Note=Localizes to early endosomes in a RPS6KC1-dependent manner.

Images



Western blot analysis of Peroxiredoxin 3 expression in MCF7 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.