

KD-Validated Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1638

Product Information

Application	WB, FC, ICC
Primary Accession	P30048
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB935
Calculated MW	27693
Gene Name	PRDX3
Aliases	Peroxiredoxin 3; AOP-1; Antioxidant Protein 1; SP-22; MER5; AOP1; Thioredoxin-Dependent Peroxide Reductase, Mitochondrial; Thioredoxin-Dependent Peroxiredoxin 3; Protein MER5 Homolog; Peroxiredoxin III; Prx-III; HBC189; Epididymis Secretory Sperm Binding Protein; Peroxiredoxin-3; EC 1.11.1.24; EC 1.11.1.15; PRO1748; SCAR32; PPPCD
Immunogen	A synthesized peptide derived from human Peroxiredoxin 3

Additional Information

Gene ID	10935
Other Names	Thioredoxin-dependent peroxide reductase, mitochondrial, 1.11.1.24, Antioxidant protein 1, AOP-1, HBC189, Peroxiredoxin III, Prx-III, Peroxiredoxin-3, Protein MER5 homolog, Thioredoxin-dependent peroxiredoxin 3, PRDX3, AOP1

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.

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