

KD-Validated Anti-Peroxiredoxin 4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1693

Product Information

Application	WB, FC
Primary Accession	Q13162
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1570
Calculated MW	30540
Gene Name	PRDX4
Aliases	Peroxiredoxin 4; AOE37-2; Thioredoxin-Dependent Peroxide Reductase A0372; Thioredoxin-Dependent Peroxiredoxin 4; Thioredoxin Peroxidase A0372; Antioxidant Enzyme AOE372; Peroxiredoxin IV; Peroxiredoxin-4; Prx-IV; Epididymis Secretory Sperm Binding Protein Li 97n; Thioredoxin Peroxidase (Antioxidant Enzyme); EC 1.11.1.24; EC 1.11.1.15; HEL-S-97n; AOE372; PRX-4
Immunogen	A synthesized peptide derived from human Peroxiredoxin 4

Additional Information

Gene ID	10549
Other Names	Peroxiredoxin-4, 1.11.1.24, Antioxidant enzyme AOE372, AOE37-2, Peroxiredoxin IV, Prx-IV, Thioredoxin peroxidase A0372, Thioredoxin-dependent peroxide reductase A0372, Thioredoxin-dependent peroxiredoxin 4, PRDX4

Protein Information

Name	PRDX4
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 and as sensor of hydrogen peroxide-mediated signaling events. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
Cellular Location	Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to and retained within the endoplasmic reticulum. A small fraction of the protein is cytoplasmic.

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