

KD-Validated Anti-Peroxiredoxin 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1065

Product Information

Application	WB, FC, ICC
Primary Accession	Q06830
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2120
Calculated MW	22110
Gene Name	PRDX1
Aliases	PRDX1; Peroxiredoxin 1; NKEFA; PAGA; Thioredoxin-Dependent Peroxide Reductase; Natural Killer Cell-Enhancing Factor A; Proliferation-Associated Gene Protein; Thioredoxin-Dependent Peroxiredoxin 1; Thioredoxin Peroxidase; Peroxiredoxin-1; NKEF-A; TDPX2; PAGB; PAG; Epididymis Secretory Sperm Binding Protein; Natural Killer-Enhancing Factor A; Proliferation-Associated Gene A; EC 1.11.1.24; EC 1.11.1.15; EC 1.11.1; MSP23; PRX1; PRXI
Immunogen	A synthesized peptide derived from human PRDX1

Additional Information

Gene ID	5052
Other Names	Peroxiredoxin-1, 1.11.1.24, Natural killer cell-enhancing factor A, NKEF-A, Proliferation-associated gene protein, PAG, Thioredoxin peroxidase 2, Thioredoxin-dependent peroxide reductase 2, Thioredoxin-dependent peroxiredoxin 1, PRDX1, PAGA, PAGB, TDPX2

Protein Information

Name	PRDX1
Synonyms	PAGA, PAGB, TDPX2
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. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H ₂ O ₂ (PubMed: 9497357). Reduces an intramolecular disulfide bond in GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation (By similarity).

Cellular Location

Cytoplasm. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

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