

## Immunotag™ PRDX1 Antibody

Antibody Specification	
Catalog No.	ITA6732
Product Description	Immunotag™ PRDX1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PRDX1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:100-400
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PRDX1
Specificity	PRDX1 Antibody detects endogenous levels of total PRDX1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PRDX1
Accession No.	Q06830
Alternate Names	Heme binding 23 kDa protein; MSP23; Natural killer cell-enhancing factor A; NKEF A; NKEF-A; NKEFA; OSF3; Osteoblast specific factor 3; PAG; Paga; PAGB; Peroxiredoxin-1; PRDX1; PRDX1_HUMAN; Proliferation associated gene A; Proliferation-associated gene protein; PRX1; Prxl; TDPX2; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2;

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Description	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 H2O2 (PubMed:9497357). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	22kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.