Immunotag™ PRDX4 Antibody

Antibody Specification

Catalog No.	ITA6506
Product Description	Immunotag™ PRDX4 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	PRDX4
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PRDX4
Specificity	PRDX4 Antibody detects endogenous levels of total PRDX4
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	PRDX4
Accession No.	Q13162
Alternate Names	Antioxidant enzyme 372; Antioxidant enzyme AOE372; AOE37 2; AOE37-2; AOE372; EC 1.11.1.15; Peroxiredoxin IV; Peroxiredoxin-4; Peroxiredoxin4; PRDX 4; Prdx4; PRDX4_HUMAN; PRX 4; Prx IV; Prx-IV; PRX4; PrxIV; Thioredoxin dependent peroxide reductase A0372; Thioredoxin Peroxidase (Antioxidant Enzyme); Thioredoxin peroxidase; Thioredoxin peroxidase AO372; Thioredoxin-dependent peroxide reductase A0372; TRANK;

Antibody Specification

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. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	31kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.