

Immunotag™ PRDX6 Antibody

Antibody Specification	
Catalog No.	ITA6845
Product Description	Immunotag™ PRDX6 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	PRDX6
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 PRDX6
Specificity	PRDX6 Antibody detects endogenous levels of total PRDX6
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	PRDX6
Accession No.	P30041

Antibody Specification

Alternate Names	1 Cys; 1 Cys peroxiredoxin; 1 Cys PRX; 1 cysPrx; 1-Cys peroxiredoxin; 1-Cys PRX; 24 kDa protein; 9430088D19Rik; AA690119; Acidic calcium independent phospholipase A2; Acidic calcium-independent phospholipase A2; aiPLA2; Antioxidant protein 2; AOP2; Aop2 rs3; Brp 12; Ciliary body glutathione peroxidase; CP 3; EC 1.11.1.15; EC 1.11.1.7; EC 3.1.1.; Epididymis secretory sperm binding protein Li 128m; GPx; HEL S 128m; KIAA0106; Liver 2D page spot 40; Ltw4; Lvtw 4; MGC46173; mKIAA0106; Non selenium glutathione peroxidase; Non-selenium glutathione peroxidase; NSGPx; ORF06; OTTHUMP00000032693; p29; Peroxiredoxin-6; Peroxiredoxin6; PHGPx; Phospholipase A2 lysosomal; PLA2; PRDX 6; Prdx5; PRDX6; Prdx6 rs3; PRDX6_HUMAN; PRX; Red blood cells page spot 12; Thiol specific antioxidant protein;
Description	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. Also has phospholipase activity, and can therefore either reduce the oxidized sn-2 fatty acyl group of phospholipids (peroxidase activity) or hydrolyze the sn-2 ester bond of phospholipids (phospholipase activity). These activities are dependent on binding to phospholipids at acidic pH and to oxidized phospholipids at cytosolic pH. Plays a role in cell protection against oxidative stress by detoxifying peroxides and in phospholipid homeostasis.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	25kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.