



Rabbit Anti-PRDX2 monoclonal antibody, clone KK101-4 (CABT-L842)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Peroxiredoxin 2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK101-4
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	22 kDa
Cellular Localization	Cytoplasm.
Positive Control	RH-35, SW480, Hela, HepG2, mouse stomach tissue, human liver tissue, mouse liver tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	The peroxiredoxin (PRX) family comprises six antioxidant proteins, PRX I, II, III, IV, V and VI, which protect cells from reactive oxygen species (ROS) by preventing the metal-catalyzed oxidation of enzymes. The PRX proteins primarily utilize thioredoxin as the electron donor for antioxiadation, although they are fairly promiscuous with regard to the hydroperoxide substrate. In addition to protection from ROS, peroxiredoxins are also involved in cell proliferation, differentiation and gene expression. PRX I, II, IV and VI show diffuse cytoplasmic localization, while PRX III and V exhibit distinct mitochondrial localization. PRX II is expressed in testis, while PRX III shows expression in lung. PRX I, II and III are overexpressed in breast cancer and may be involved in its development or progression. Upregulated protein levels of PRX I and II in Alzheimer's disease (AD) and Down syndrome (DS) indicate the involvement of PRX I and II in their pathogenesis.
Keywords	Epididymis secretory sperm binding protein Li 2a;HEL S 2a;MGC4104;Natural killer cell enhancing factor B;Natural killer cell-enhancing factor B;Natural Killer Enhancing Factor B;NKEF B;NKEF-B;NKEFB;Peroxiredoxin-2;PRDX 2;PRDX2;PRDX2_HUMAN;PrP;PRX2;PRXII;PTX1;TDPX1;Thiol Specific Antioxidant 1;Thiol specific antioxidant protein;Thiol-specific antioxidant protein;Thioredoxin Dependent Peroxide Reductase 1;Thioredoxin peroxidase 1;Thioredoxin-dependent peroxide reductase 1;Torin;TPX1;TSA antibody
