

Rabbit Anti-Peroxiredoxin 1 antibody

SL3875R

Product Name:	Peroxiredoxin 1
Chinese Name:	过氧化还原酶1抗体
Alias:	Peroxiredoxin-1; Peroxiredoxin 1; Prdx 1; Prdx1; PRDX1_HUMAN; Hbp23; Heme binding 23 kDa protein; Macrophage 23 Kd stress protein; Macrophage 23kDa stress protein; Macrophase stress protein 22kDa; Macrophase stress protein 23 kd; MSP23; Natural killer cell enhancing factor A; Natural killer cell-enhancing factor A; Natural killer enhancing factor A; NKEF A; NKEF-A; NkefA; OSF3; Osteoblast specific factor 3; PAG; Paga; PAGB; Proliferation associated gene A; Proliferation associated protein PAG; Proliferation-associated gene protein; PrxI; Tdpx 2; Tdpx2; TDX2; Thioredoxin dependent peroxide reductase 2; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2; TPxA; Trx dependent peroxide reductase 2.
文献引用 PubMed :	<p>Specific References(2) SL3875R has been referenced in 2 publications.</p> <p>[IF=2.15]Sun, Qi-Kai, et al. "Diagnostic and prognostic significance of peroxiredoxin 1 expression in human hepatocellular carcinoma." Medical Oncology 31.1 (2014): 1-9.IHC-P;Human. PubMed:24297309</p> <p>[IF=2.86]Fu, Qiang, et al. "Proteome Profile and Quantitative Proteomic Analysis of Buffalo (Bubalus bubalis) Follicular Fluid during Follicle Development." International Journal of Molecular Sciences 17.5 (2016): 618.WB;Other Species. PubMed:27136540</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications.

	optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PRDX1:1-100/199
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011].</p> <p>Function: Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H(2)O(2). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation.</p> <p>Subunit: Homodimer; disulfide-linked, upon oxidation. May form heterodimers with AOP2. Interacts with GDPD5; forms a mixed-disulfide with GDPD5 (By similarity).</p> <p>Subcellular Location: Cytoplasm. Melanosome.</p> <p>Post-translational modifications: Phosphorylated on Thr-90 during the M-phase, which leads to a more than 80% decrease in enzymatic activity.</p> <p>Similarity: Belongs to the AhpC/TSA family. Contains 1 thioredoxin domain.</p> <p>SWISS:</p>

Q06830

Gene ID:
5052

Database links:

[Entrez Gene: 281997](#) Cow

[Entrez Gene: 5052](#) Human

[Entrez Gene: 18477](#) Mouse

[Entrez Gene: 117254](#) Rat

[Olim: 176763](#) Human

[SwissProt: Q9JKY1](#) Chinese Hamster

[SwissProt: Q06830](#) Human

[SwissProt: P35700](#) Mouse

[SwissProt: Q63716](#) Rat

[Unigene: 180909](#) Human

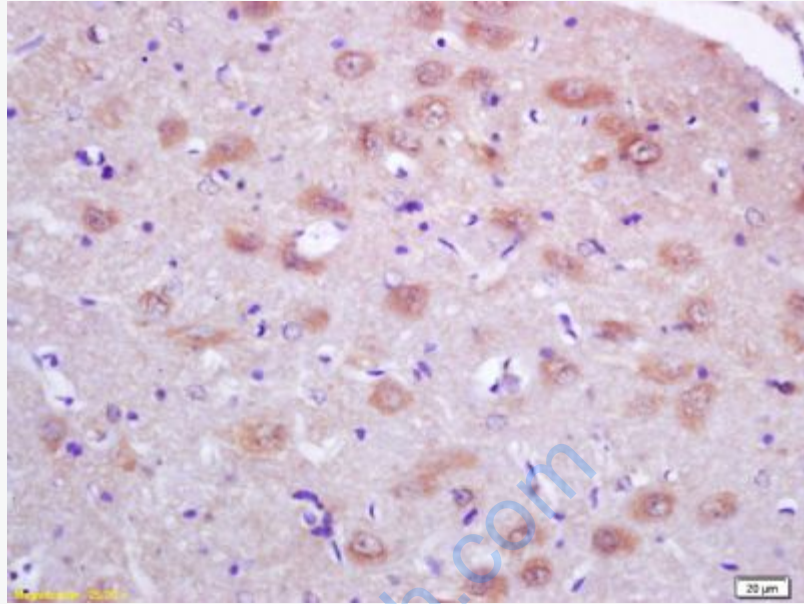
[Unigene: 30929](#) Mouse

[Unigene: 2845](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

该蛋白定位于细胞质。

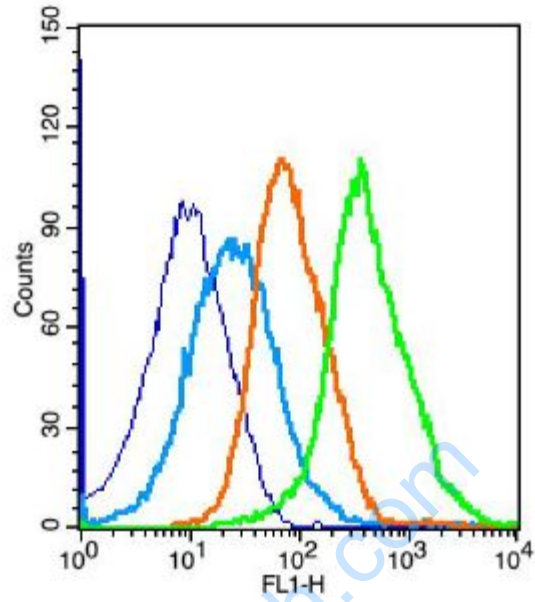


Picture:

Tissue/cell: Rat brain; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PRDX1 Polyclonal Antibody, Unconjugated(SL3875R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Key	Name	Parameter	Gate
—	(mo)Splenocyte-blank.036	FL1-H	G1
—	bs-0295G-FITC-(mo)Sp#1E5870.037	FL1-H	G1
—	bs-0295P-(FITC)-(mo)#1E5874.038	FL1-H	G1
—	bs-3875R-(FITC)-(mo)#1E5877.041	FL1-H	G1

Blank control: mouse splenocytes(blue)

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ;

Primary Antibody Dilution: 1 μ l in 100 μ L1X PBS containing 0.5% BSA(green).