

过氧化还原酶 1 单克隆抗体

产品货号： mlR33118

英文名称： Peroxiredoxin 1

中文名称： 过氧化还原酶 1 单克隆抗体

别 名： 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; Prxl; Tdpx 2; Tdpx2; TDX2; Thioredoxin dependent peroxide reductase 2; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2; TPxA; Trx dependent peroxide reductase 2.

研究领域： 肿瘤 细胞生物 免疫学

抗体来源： Mouse

克隆类型： Monoclonal

克 隆 号： 10F9



交叉反应： Human, Mouse, Rat,

产品应用： IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 22kDa

细胞定位： 细胞浆 细胞膜

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免疫原： Recombinant human Peroxiredoxin 1 Protein:

亚 型： IgG

纯化方法： affinity purified by Protein G

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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

产品介绍： 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].

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 H₂O₂. Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation.

Subunit:

Homodimer; disulfide-linked, upon oxidation. May form heterodimers with AOP2. Interacts with GDPD5; forms a mixed-disulfide with GDPD5 (By similarity).

Subcellular Location:

Cytoplasm. Melanosome.

Post-translational modifications:

Phosphorylated on Thr-90 during the M-phase, which leads to a more than 80% decrease in enzymatic activity.

Similarity:

Belongs to the AhpC/TSA family.

Contains 1 thioredoxin domain.

SWISS:

Q06830

Gene ID:

5052

Important Note:

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