# 抗氧化蛋白 1 抗体

**产品货号：** mlR8329

**英文名称：** SRXN1

**中文名称：** 抗氧化蛋白 1 抗体

**别　　名：** C20orf1392; Chromosome 20 open reading frame 139; dJ850E9.2; Npn3; Npn31; SRX1; SRXN 1; Sulfiredoxin 1; Sulfiredoxin 1 homolog (S. cerevisiae); Sulfiredoxin 1 homolog; YKL086W; SRXN1_HUMAN.

**研究领域：** 细胞生物　免疫学

**抗体来源：** Rabbit

**克隆类型：** Polyclonal

**交叉反应：** Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

**产品应用：** WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （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：** 15kDa

**细胞定位：** 细胞浆

**性　　状：** Lyophilized or Liquid

**浓　　度：** 1mg/ml

**免 疫 原：** KLH conjugated synthetic peptide derived from human SRXN1:45-137/137

**亚　　型：** IgG

**纯化方法：** affinity purified by Protein A

**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 ： Sulfiredoxin, also designated Sulfiredoxin-1 and chromosome 20 open reading frame 139 (C20orf139), is a cytoplasmic antioxidant protein involved in signaling through catalytic reduction of oxidative modifications. It regulates peroxiredoxins (PRXs), a family of proteins that reduce hydroperoxides, by reducing the conserved cysteine from sulfinic to sulfenic acid. This impacts the role of PRX in the reduction of other downstream transcription factors and kinase signaling pathways. The Sulfiredoxin protein specifically acts on the PRDX1, PRDX2, PRDX3 and PRDX4 peroxiredoxins, but not on PRDX5 or PRDX6. Sulfiredoxin acts as a phosphotransferase and an athioltransferase and is widely expressed, with highest levels detected in lung, spleen, kidney and thymus tissues.

**Function:**

SRXN1 contributes to oxidative stress resistance by reducing cysteine-sulfinic acid formed under exposure to oxidants in the peroxiredoxins PRDX1, PRDX2, PRDX3 and PRDX4. It does not act on PRDX5 or PRDX6. SRXN1 may catalyze the reduction in a multi-step process by acting both as a specific phosphotransferase and a thioltransferase.

**Subcellular Location:**

Cytoplasmic

**Tissue Specificity:**

Widely expressed with highest levels in kidney, lung, spleen and thymus.

**Similarity:**

Belongs to the sulfiredoxin family.

**SWISS:**

Q9BYN0

**Gene ID:**

140809

**Important Note:**

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

产品图片