



## Rabbit Anti-SRXN1 antibody

SL8329R

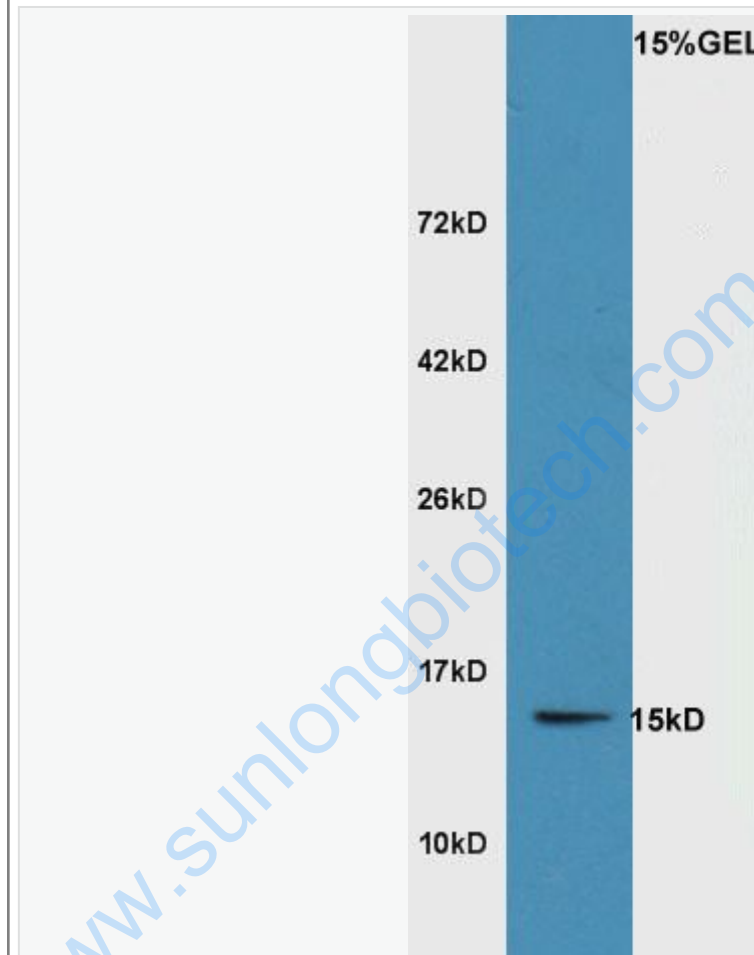
<b>Product Name:</b>	SRXN1
<b>Chinese Name:</b>	抗氧化蛋白1抗体
<b>Alias:</b>	C20orf1392; Chromosome 20 open reading frame 139; dJ850E9.2; Npn3; Npn31; SRX1; SRXN 1; Sulfiredoxin 1; Sulfiredoxin 1 homolog (S. cerevisiae); Sulfiredoxin 1 homolog; YKL086W; SRXN1_HUMAN.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b>  SL8329R has been referenced in 1 publications. <b>[IF=1.88]</b> Zhou, Yunchuan, et al. "Sulfiredoxin-1 exerts anti-apoptotic and neuroprotective effects against oxidative stress-induced injury in rat cortical astrocytes following exposure to oxygen-glucose deprivation and hydrogen peroxide."International Journal of Molecular Medicine (2015). <b>WB;Rat.</b> <a href="#">PubMed:25955519</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	15kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SRXN1:45-137/137
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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 sulfenic 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.</p> <p><b>Function:</b> SRXN1 contributes to oxidative stress resistance by reducing cysteine-sulfenic 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.</p> <p><b>Subcellular Location:</b> Cytoplasmic</p> <p><b>Tissue Specificity:</b> Widely expressed with highest levels in kidney, lung, spleen and thymus.</p> <p><b>Similarity:</b> Belongs to the sulfiredoxin family.</p> <p><b>SWISS:</b> Q9BYN0</p> <p><b>Gene ID:</b> 140809</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 140809</a>Human</p> <p><a href="#">Entrez Gene: 76650</a>Mouse</p> <p><a href="#">Entrez Gene: 296271</a>Rat</p> <p><a href="#">SwissProt: Q9BYN0</a>Human</p> <p><a href="#">SwissProt: Q9D975</a>Mouse</p>

**Important Note:**

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

**Picture:**



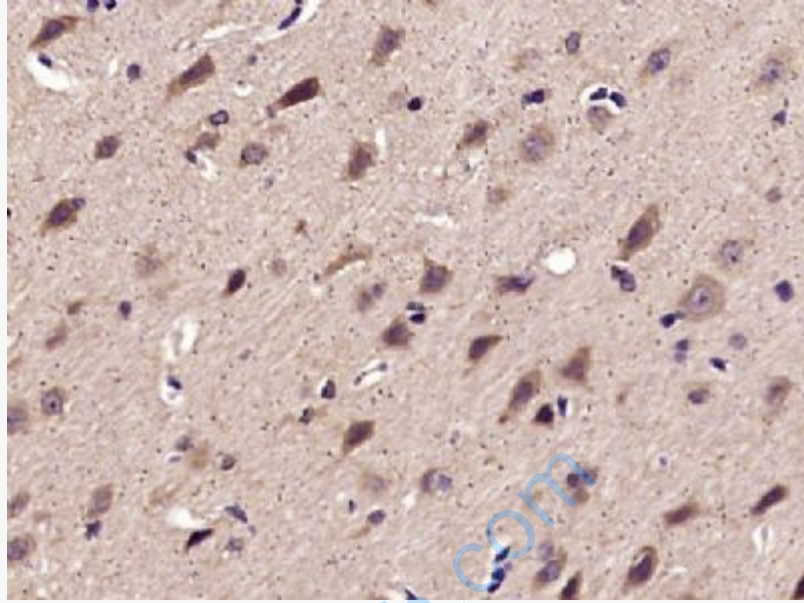
Sample: Kidney (Mouse) Lysate at 40 ug

Primary: Anti-SRXN1 (SL8329R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL8329R) at 1/5000 dilution

Predicted band size: 15 kD

Observed band size: 15 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by microwave in sodium citrate buffer (pH 6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30 min; Antibody incubation with (SRXN1) Polyclonal/Monoclonal Antibody, Unconjugated (SL8329R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.