



Rabbit Anti-Selenoprotein W antibody

SL0495R

Product Name	Selenoprotein W
Chinese Name	硒蛋白 W 抗体
Alias	MGC105482; SelW; SEPW1; Selenoprotein W; SELW_RAT; SELW_HUMAN.
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat, (predicted: Human, Mouse, Sheep,) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	9.5kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from mouse Selenoprotein W: 13-88/88
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene encodes a selenoprotein containing a selenocysteine (Sec) residue, which is encoded by the UGA codon that normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, the Sec insertion sequence (SECIS) element that is necessary for the recognition of UGA as a Sec codon

rather than as a stop signal. This protein is highly expressed in skeletal muscle and brain. It belongs to the SelWTH family, which possesses a thioredoxin-like fold and a conserved CxxU (C is cysteine, U is Sec) motif, suggesting a redox function for this gene. Studies in mouse show that this selenoprotein is involved in muscle growth and differentiation, and in the protection of neurons from oxidative stress during neuronal development. A pseudogene for this locus has been identified on chromosome 10. [provided by RefSeq, May 2017].

Function:

Plays a role as a glutathione (GSH)-dependent antioxidant. May be involved in a redox-related process. May play a role in the myopathies of selenium deficiency.

Subunit:

Interacts with DPYSL2, PRDX1, YWHAB, YWHAG, HSP70 and HSP90.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Ubiquitously expressed with highest levels in skeletal muscle and heart, moderate levels in brain, spinal cord, thyroid, spleen, prostate, ovary, small intestine and colon, and lowest levels in liver and lymph node.

Similarity:

Belongs to the SelWTH family. SELW subfamily.

SWISS:

P63300

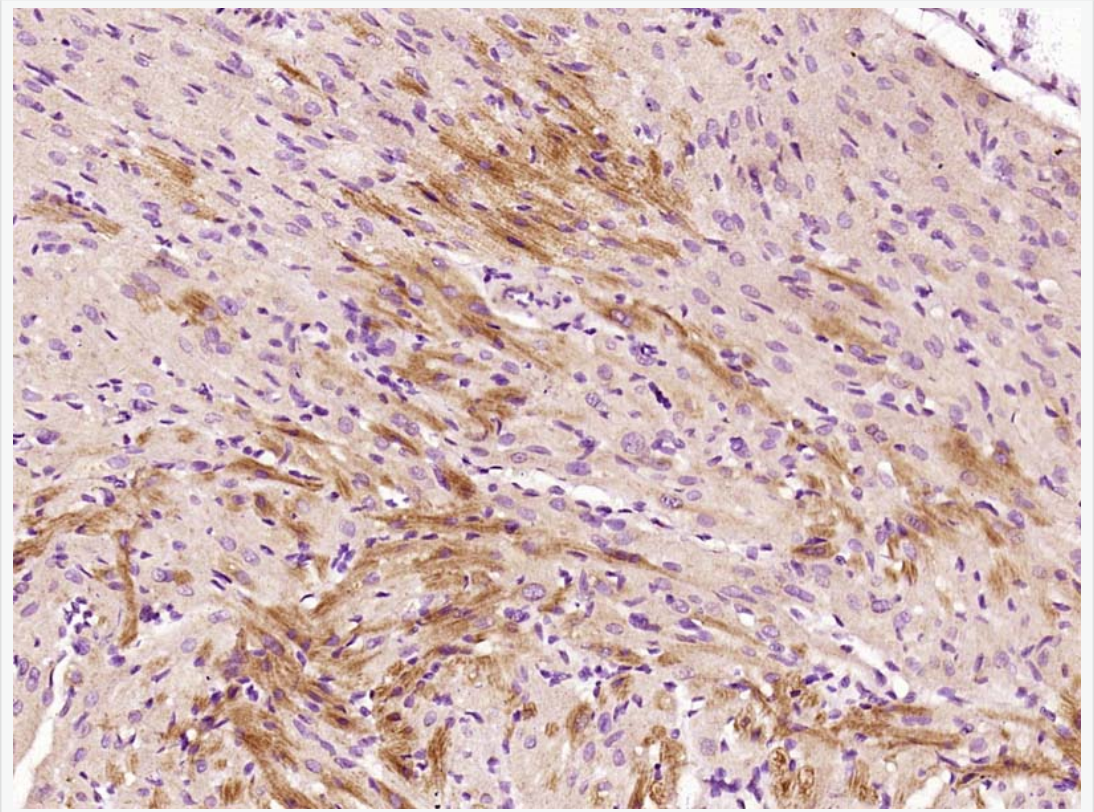
Gene ID:

20364

Database links:

硒蛋白-W (selenoprotein W) 和一种存在于多种组织中的 18ku 硒蛋白 P (18ku selenoprotein)。它们具有防止膜结构及生物大分子的氧化损伤；合成并调节 D1 表达；促进精子生成、发育及维持其活力；保护 endothelial cells 和维护肌肉组织的正常功能等广泛的生理作用。该蛋白与人、羊有部分交叉。

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Selenoprotein W) Polyclonal Antibody, Unconjugated (SL0495R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.