



## Rabbit Anti-Selenoprotein M antibody

SL19629R

<b>Product Name:</b>	Selenoprotein M
<b>Chinese Name:</b>	硒蛋白M抗体
<b>Alias:</b>	Selenoprotein-M; Selenoprotein SelM; SELM; SELM HUMAN; SelM protein; SEPM.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (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>	14kDa
<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 Selenoprotein M:24-100/145
<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>	Selenoprotein M is widely expressed and expressed highly in the mammalian brain. It is localized to the perinuclear structures (Golgi/ER). A growing body of evidence relates selenium to cancer prevention, immune system function, male fertility, cardiovascular disorder, control of the aging and neurodiseases process. Selenoproteins are thought to be responsible for the majority of these biomedical effects of selenium. Approximately 17 selenoproteins have been identified until now. Although the function of many selenoproteins are unknown, some play important roles in antioxidant

mechanisms. It has been also implicated in the regulation of signaling pathways through catalysis of thiol/disulfide exchange. The roles of Selenoprotein M have not been clearly identified until present time.

**Function:**

May function as a thiol-disulfide oxidoreductase that participates in disulfide bond formation.

**Subcellular Location:**

Cytoplasm; perinuclear region. Endoplasmic reticulum Probable. Golgi apparatus Probable. Note: Localized to perinuclear structures corresponding to Golgi and endoplasmic reticulum.

**Similarity:**

Belongs to the selenoprotein M/SEP15 family.

**SWISS:**

Q8WWX9

**Gene ID:**

140606

**Database links:**

[Entrez Gene: 140606](#) Human

[Entrez Gene: 114679](#) Mouse

[Entrez Gene: 498398](#) Rat

[Omim: 610918](#) Human

[SwissProt: Q8WWX9](#) Human

[SwissProt: Q8VHC3](#) Mouse

[Unigene: 55940](#) Human

[Unigene: 34046](#) Mouse

[Unigene: 8166](#) Rat

**Important Note:**

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

