



## Rabbit Anti-CST9 antibody

SL9217R

<b>Product Name:</b>	CST9
<b>Chinese Name:</b>	胱抑素9/半胱氨酸蛋白酶抑制剂9抗体
<b>Alias:</b>	M12; CLM; Cresp; Cst9; CST9_HUMAN; Cystatin 9 (testatin); Cystatin like molecule; Cystatin-9; Cystatin-like molecule; Testatin.
<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=1:400-800IF=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>	cytoplasmicSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CST9/Cystatin 9:21-120/159
<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>	The cystatin superfamily is a well-established family of cysteine protease inhibitors. All true cystatins inhibit cysteine peptidases of the papain family, such as cathepsins, while some also inhibit legumain family enzymes. The CRES (cystatin-related epididymal spermatogenic) protein defines a new subgroup in the family 2 cystatins of the cystatin superfamily. CRES proteins lack two of the three consensus sites necessary for the cystatin inhibition of C1 cysteine proteases. Due to their expression patterns, it is likely

that CRES proteins may perform unique and tissue-specific functions in the reproductive and neuroendocrine systems. As a member of the CRES subfamily, Cystatin 9, also designated CLM, is a 159 amino acid protein that is expressed in heart, placenta, lung, liver, skeletal muscle and pancreas. Cystatin 9 is thought to play a role in hematopoietic differentiation or inflammation. It has also been shown to be upregulated by LPS in some cancer cell lines, such as promyelocytic leukemia (HL-60) and myelomonocytic leukemia.

**Function:**

May play a role in hematopoietic differentiation or inflammation.

**Subcellular Location:**

Secreted. May be targeted through the Golgi via the secretory pathway.

**Tissue Specificity:**

Expressed in heart, placenta, lung, liver, skeletal muscle and pancreas. Not expressed in brain. Barely expressed in tumor cell lines except for breast adenocarcinoma MCF-7 cells and U251 cells.

**Similarity:**

Belongs to the cystatin family.

**SWISS:**

Q5W186

**Gene ID:**

128822

**Database links:**

[Entrez Gene: 128822](#)Human

[SwissProt: Q5W186](#)Human

[Unigene: 698020](#)Human

**Important Note:**

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