



## Rabbit Anti-CST8 antibody

SL9216R

<b>Product Name:</b>	CST8
<b>Chinese Name:</b>	胱抑素8/半胱氨酸蛋白酶抑制剂8抗体
<b>Alias:</b>	CRES; CST 8; Cst8; CST8_HUMAN; cystatin 8 (cystatin related epididymal specific); Cystatin 8; Cystatin related epididymal specific; Cystatin related epididymal specific protein; Cystatin related epididymal spermatogenic protein; Cystatin related protein epididymis specific; Cystatin-8; Cystatin-related epididymal spermatogenic protein.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,
<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>	14kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CST8/Cystatin 8:65-142/142
<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. They are also preferentially expressed in postmeiotic germ cells, the proximal caput epididymidis, and anterior pituitary gonadotrophs. Therefore, CRES proteins may perform unique and tissue-specific functions in the reproductive and neuroendocrine systems. As a member of the CRES subfamily, Cystatin 8 is a 142 amino acid protein that is expressed in the proximal caput region of the epididymis, where it performs a specialized role during sperm development and maturation.

**Function:**

Performs a specialized role during sperm development and maturation.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Proximal caput region of the epididymis. Lower expression in the testis. Within the testis it is localized to the elongating spermatids, whereas within the epididymis it is exclusively synthesized by the proximal caput epithelium.

**Similarity:**

Belongs to the cystatin family.

**SWISS:**

O60676

**Gene ID:**

10047

**Database links:**

[Entrez Gene: 10047](#)Human

[Entrez Gene: 13012](#)Mouse

[Entrez Gene: 29679](#)Rat

[Omim: 608683](#)Human

[SwissProt: O60676](#)Human

[SwissProt: P32766](#)Mouse

[SwissProt: O88969](#)Rat

[Unigene: 121602](#)Human

[Unigene: 20435](#)Mouse

[Unigene: 18514](#)Rat

**Important Note:**

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

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