



## Rabbit Anti-Cathepsin S antibody

SL8558R

<b>Product Name:</b>	Cathepsin S
<b>Chinese Name:</b>	组织蛋白酶S抗体
<b>Alias:</b>	CathepsinS; Cathepsin S;CATS_HUMAN;CTSS.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	24kDa
<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 Cathepsin S:121-250/331
<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 cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S, and O (1-6). The aspartyl protease class is composed of cathepsins D and E (7,8). Cathepsin G is in the serine protease class (9). Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsin S has been shown to be an elastinolytic cysteine proteinase present in aveloar macrophages.

**Function:**

Thiol protease. Key protease responsible for the removal of the invariant chain from MHC class II molecules. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L and cathepsin N.

**Subunit:**

Monomer.

**Subcellular Location:**

Lysosomal.

**Similarity:**

Belongs to the peptidase C1 family.

**SWISS:**

P25774

**Gene ID:**

1520

**Database links:**

[Entrez Gene: 403400](#)Dog

[Entrez Gene: 403400](#)Dog

[Entrez Gene: 1520](#)Human

[Omim: 116845](#)Human

[SwissProt: Q8HY81](#)Dog

[SwissProt: P25774](#)Human

[Unigene: 181301](#)Human

**Important Note:**

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