

Rabbit Anti-Cystatin E antibody

SL6042R

Product Name	Cystatin E
Chinese Name	半胱氨酸蛋白酶抑制剂 6 抗体
Alias	CST 6; CST-6; CST6; Cystatin 6; Cystatin E/M; Cystatin M; Cystatin M/E; Cystatin-6; Cystatin-E; Cystatin-M; Cystatin6; CystatinE; CystatinM; Cysteine proteinase inhibitor; CYTM_HUMAN.
Research Area	Cell biology immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog,) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (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	13.6kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Cystatin E/M: 65-149/149
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

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins(stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes the most abundant extracellular inhibitor of cysteine proteases, which is found in high concentrations in biological fluids and is expressed in virtually all organs of the body. A mutation in this gene has been associated with amyloid angiopathy. Expression of this protein in vascular wall smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions, establishing its role in vascular disease. [provided by RefSeq].

Function:

Shows moderate inhibition of cathepsin B but is not active against cathepsin C.

Subcellular Location:

Secreted.

Tissue Specificity:

Restricted to the stratum granulosum of normal skin, the stratum granulosum/spinosum of psoriatic skin, and the secretory coils of eccrine sweat glands. Low expression levels are found in the nasal cavity.

Post-translational modifications:

Substrate for transglutaminases. Acts as an acyl acceptor but not as an acyl donor.

Similarity:

Belongs to the cystatin family.

SWISS:

Q15828

Gene ID:

1474

Database links:

[Entrez Gene: 1474](#) Human

[SwissProt: Q15828](#) Human

**Product
Detail**

- [Entrez Gene: 171096](#) Rat
- [Omim: 601891](#) Human
- [SwissProt: Q15828](#) Human
- [Unigene: 139389](#) Human