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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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	13.6kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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

- Entrez Gene: 171096Rat

	• Omim: 601891Human • SwissProt: Q15828Human • Unigene: 139389Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.