

## Rabbit Anti-CST7 antibody

SL6039R

**Product Name** CST7

**Chinese Name** 半胱氨酸蛋白酶抑制剂 7 抗体

**Alias** CMAP; CST 7; CST7; Cystatin 7; Cystatin-7; Cystatin7; Cystatin like metastasis associated protein; CystatinF; Cystatin-F; Cystatin F; Leukocystatin.

**Research Area** Cardiovascular Cell biology immunology Signal transduction Apoptosis

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, )

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

**Applications** (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 14kDa

**Cellular localization** cytoplasmic Secretory protein

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human Cystatin F: 21-120/145

**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](#)

**Product** The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences.

## Detail

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. Expression of the protein has been observed in various human cancer cell lines established from malignant tumors.

### Function:

Inhibits papain and cathepsin L but with affinities lower than other cystatins. May play a role in immune regulation through inhibition of a unique target in the hematopoietic system.

### Subunit:

Homodimer; disulfide-linked.

### Subcellular Location:

Secreted. Cytoplasm.

### Tissue Specificity:

Primarily expressed in peripheral blood cells and spleen.

### Similarity:

Belongs to the cystatin family.

### SWISS:

O76096

### Gene ID:

8530

### Database links:

[Entrez Gene: 8530](#) Human

[Omim: 603253](#) Human

[SwissProt: O76096](#) Human

[Unigene: 143212](#) Human