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CST3 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM2096a

Specification

CST3 Antibody - Product Information

Application	**WB,E**
Primary Accession	P01034
Other Accession	NP_000090.1
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**15799**
Antigen Region	**95-122**

CST3 Antibody - Additional Information

Gene ID 1471

Other Names
Cystatin-C, Cystatin-3, Gamma-trace, Neuroendocrine basic polypeptide, Post-gamma-globulin, CST3

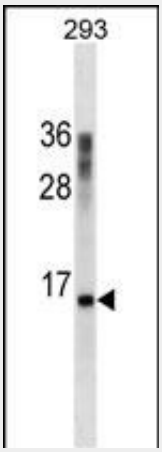
Target/Specificity
This CST3 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 95-122 amino acids from human CST3.

Dilution
WB~~1:500~1000

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CST3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



CST3 Antibody (Cat. #AM2096a) western blot analysis in 293 cell line lysates (35µg/lane).This demonstrates the CST3 antibody detected the CST3 protein (arrow).

CST3 Antibody - Background

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

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CST3 Antibody - Protein Information

Name CST3

Function
As an inhibitor of cysteine proteinases, this protein is thought to serve an important physiological role as a local regulator of this enzyme activity.

Cellular Location
Secreted.

Tissue Location
Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland 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.

CST3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CST3 Antibody - References

Kiyosue, A., et al. Circ. J. 74(11):2441-2447(2010)
Corneveaux, J.J., et al. Hum. Mol. Genet. 19(16):3295-3301(2010)
Ma, Y., et al. Biomarkers 15(5):410-417(2010)
Sloan, C.D., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1060-1069 (2010) :
Thilaganathan, B., et al. Obstet Gynecol 115(6):1233-1238(2010)