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Goat Anti-CST3 / cystatin C Antibody
Peptide-affinity purified goat antibody
Catalog # AF1284a

Specification

Goat Anti-CST3 / cystatin C Antibody - Product Information

Application	**WB**
Primary Accession	P01034
Other Accession	NP_000090, 1471
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**15799**

Goat Anti-CST3 / cystatin C Antibody - Additional Information

Gene ID 1471

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

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-CST3 / cystatin C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CST3 / cystatin C 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

Goat Anti-CST3 / cystatin C 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

Goat Anti-CST3 / cystatin C Antibody - Images



AF1284a (1 µg/ml) staining of Human Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

Goat Anti-CST3 / cystatin C 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 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.

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Early-pregnancy multiple serum markers and second-trimester uterine artery Doppler in predicting preeclampsia. Thilaganathan B, et al. Obstet Gynecol, 2010 Jun. PMID 20502295.
Genetic pathway-based hierarchical clustering analysis of older adults with cognitive complaints and amnestic mild cognitive impairment using clinical and neuroimaging phenotypes. Sloan CD, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468060.
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