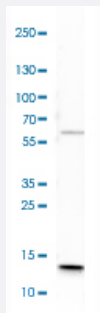


CST3 polyclonal antibody

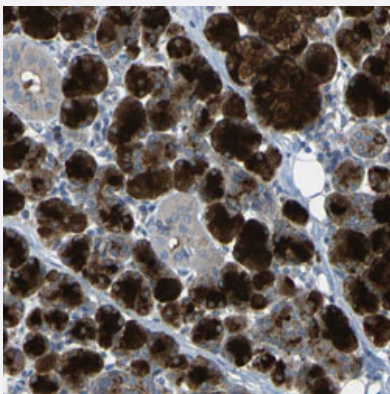
Catalog # PAB31437 Size 100 uL

Applications



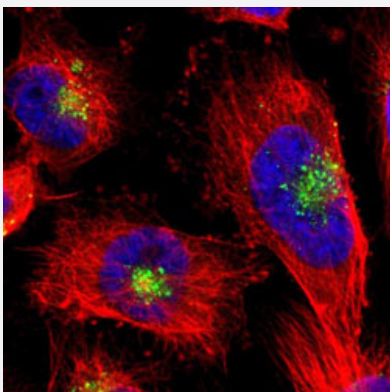
Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with CST3 polyclonal antibody (Cat # PAB31437).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human salivary gland with CST3 polyclonal antibody (Cat # PAB31437) shows strong cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of U-251 MG cells with CST3 polyclonal antibody (Cat # PAB31437) (Green) shows localization to the Golgi apparatus and vesicles.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CST3.
Immunogen	Recombinant protein corresponding to human CST3.
Sequence	SSPGKPPRLVGGPMDASVEEEGVRRALDFAVGEYNKASNDMYHSRALQVVRARKQIVAGVNYF LDVELGRITCTKTQPNLDNCPFHDQPHLKRKAFCFSQIYAVPWQGTMTLSKSTCQDA
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with CST3 polyclonal antibody (Cat # PAB31437).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human salivary gland with CST3 polyclonal antibody (Cat # PAB31437) shows strong cytoplasmic positivity in glandular cells.

- Immunofluorescence

Immunofluorescent staining of U-251 MG cells with CST3 polyclonal antibody (Cat # PAB31437) (Green) shows localization to the Golgi apparatus and vesicles.

Gene Info — CST3

Entrez GeneID	1471
Protein Accession#	P01034
Gene Name	CST3
Gene Alias	ARMD11, MGC117328
Gene Description	cystatin C
Omim ID	105150 604312
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000030440 OTTHUMP00000164181 OTTHUMP00000164182 bA218C14.4 (cystatin C) cystatin 3 cystatin C (amyloid angiopathy and cerebral hemorrhage) gamma-trace neuroendocrine basic polypeptide post-gamma-globulin

Publication Reference

- [Candidate serological biomarkers for cancer identified from the secretomes of 23 cancer cell lines and the human protein atlas.](#)

Wu CC, Hsu CW, Chen CD, Yu CJ, Chang KP, Tai DI, Liu HP, Su WH, Chang YS, Yu JS.

Molecular & Cellular Proteomics 2010 Jun; 9(6):1100.

Application: IHC, Human, Colon, Liver, Bladder, Breast, Lung cancer

Disease

- [Albuminuria](#)
- [Alzheimer disease](#)

- [Amnesia](#)
- [Amyloidosis](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Frontotemporal Lobar Degeneration](#)
- [Genetic Predisposition to Disease](#)
- [Lewy Body Disease](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
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- [Neoplasms](#)
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- [Psychiatric Status Rating Scales](#)