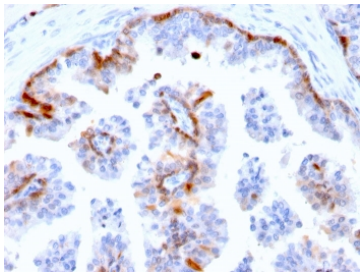
Cystatin A Antibody / CSTA [clone CSTA/2882] (V7699)

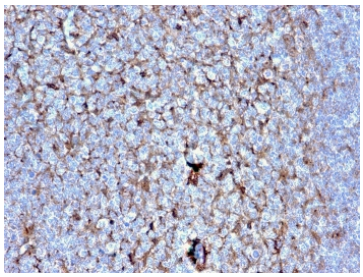
Catalog No.	Formulation	Size
V7699-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7699-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7699SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

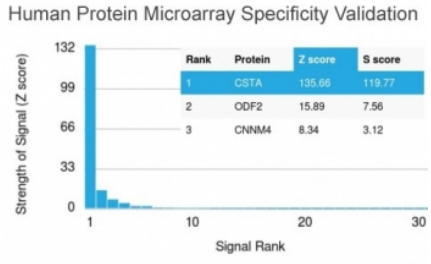
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CSTA/2882
Purity	Protein G affinity chromatography
UniProt	P01040
Localization	Cell Surface, Cytoplasmic and Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Cystatin A antibody is available for research use only.



Cystatin A Antibody Prostate Immunohistochemistry. IHC staining of FFPE human prostate with Cystatin A antibody (clone CSTA/2882). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Cystatin A Antibody Tonsil Immunohistochemistry. IHC staining of FFPE human tonsil with Cystatin A antibody (clone CSTA/2882). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Cystatin A antibody (clone CSTA/2882). These results demonstrate the foremost specificity of the CSTA/2882 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

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 kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.

For a reference Cystatin A antibody with validated specificity and consistent detection across applications, see clone CSTA/3553.

Application Notes

Optimal dilution of the Cystatin A antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 1-98) was used as the immunogen for the Cystatin A antibody.

Storage

Store the Cystatin A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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