

anti-Human Cystatin A Polyclonal Antibody | anti-CSTA antibody

Anti-Cystatin A Antibody

CATALOG # AAA46450	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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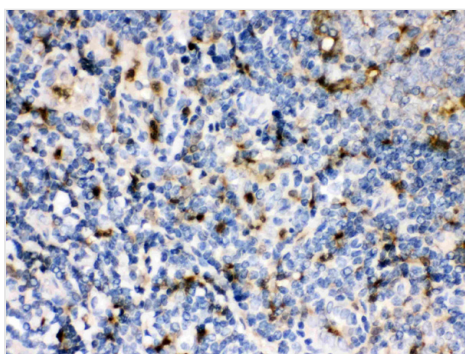
PRODUCT SYNONYMS

Cystatin A; Polyclonal Antibody; Anti-Cystatin A Antibody; Cystatin-A; AREI; CSTA; CSTA protein; Cystatin AS; Cystatin-AS; CystatinA; CYTA_HUMAN; Stefin A; Stefin A1; Stefin-A; StefinA; STF 1; STF1; STFA antibody; cystatin A (stefin A); anti-CSTA antibody

PRODUCT SPECIFICATIONS

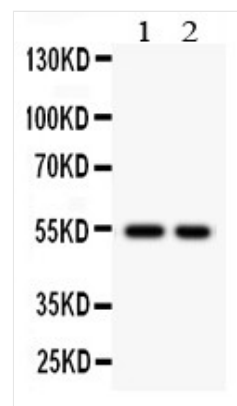
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	98
Applicable Applications for anti-CSTA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Cystatin A recombinant protein (Position: E8-F98). Human Cystatin A shares 61.5% and 58.2% amino acid (aa) sequence identity with mouse and rat Cystatin A, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Cystatin A Picoband antibody, AAA46450, IHC(P)IHC(P): Human Tonsil Tissue



WB (Western Blot)

Anti- Cystatin A Picoband antibody, AAA46450, Western blottingAll lanes: Anti Cystatin A (AAA46450) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: SMMC Whole Cell Lysate at 40ugPredicted bind size: 54KDObserved bind size: 54KD

ADDITIONAL INFORMATION

Related Product Information for anti-CSTA antibody	Description: Rabbit IgG polyclonal antibody for Cystatin-A(CSTA) detection. Tested with WB, IHC-P in Human. Background: Cystatin A also called Stefin A is a protein that in humans is encoded by the CSTA gene. Cystatin A is a cysteine proteinase inhibitor that belongs to family 1 of the cystatin superfamily. This gene was assigned to human chromosome 3q21.1. This is an intracellular thiol proteinase inhibitor. Cystatin A plays an important role in desmosome-mediated cell-cell adhesion in the lower levels of the epidermis. Stefins have been proposed as prognostic tools for cancer.
References	1. Blaydon, D. C., Nitoiu, D., Eckl, K.-M., Cabral, R. M., Bland, P., Hausser, I., van Heel, D. A., Rajpopat, S., Fischer, J., Oji, V., Zvulunov, A., Traupe, H., Hennies, H. C., Kelsell, D. P. Mutations in CSTA, encoding cystatin A, underlie exfoliative ichthyosis and reveal a role for this protease inhibitor in cell-cell adhesion. Am. J. Hum. Genet. 89: 564-571, 2011. 2. Samuelsson, L., Stiller, C., Friberg, C., Nilsson, C., Inerot, A., Wahlstrom, J. Association analysis of cystatin A and zinc finger protein 148, two genes located at the psoriasis susceptibility locus PSORS5. J. Invest. Derm. 122: 1399-1400, 2004. 3. Vasilopoulos, Y., Walters, J., Cork, M. J., Duff, G. W., Sagoo, G. S., Tazi-Ahnini, R. Association analysis of the skin barrier gene cystatin A at the PSORS5 locus in psoriatic patients: evidence for interaction between PSORS1 and PSORS5. Europ. J. Hum. Genet. 16: 1002-1009, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885165
NCBI GeneID	1475
NCBI Accession #	NP_005204.1
NCBI GenBank Nucleotide #	NM_005213.3
UniProt Accession #	P01040; Q6IB90
Molecular Weight	11,006 Da
NCBI Official Full Name	cystatin-A
NCBI Official Synonym Full Names	cystatin A
NCBI Official Symbol	CSTA
NCBI Official Synonym Symbols	AREI; PSS4; STF1; STFA
NCBI Protein Information	cystatin-A
UniProt Protein Name	Cystatin-A
UniProt Gene Name	CSTA
UniProt Synonym Gene Names	STF1; STFA
UniProt Entry Name	CYTA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cystatin-a-antibody-immunohistochemistry-western-blot-elisa/46450>