

Datasheet for ABIN3042766
anti-CSTA antibody (AA 8-98)



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2 Images

Overview

Quantity:	100 µg
Target:	CSTA
Binding Specificity:	AA 8-98
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSTA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Cystatin A/CSTA Antibody Picoband®
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Cystatin A/CSTA Antibody Picoband® (ABIN3042766). Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated

Product Details

as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: CSTA

Alternative Name: CSTA ([CSTA Products](#))

Background: Synonyms: Cystatin-A,Cystatin-AS,Stefin-A,Cystatin-A, N-terminally processed,CSTA,STF1, STFA,
Tissue Specificity: Expressed in the skin throughout the epidermis. .
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 and diagnostic tools for cancer.
Sequence Similarities: Belongs to the cystatin family.

Molecular Weight: 14 kDa

Gene ID: 1475

UniProt: [P01040](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human
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.

Application Details

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.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

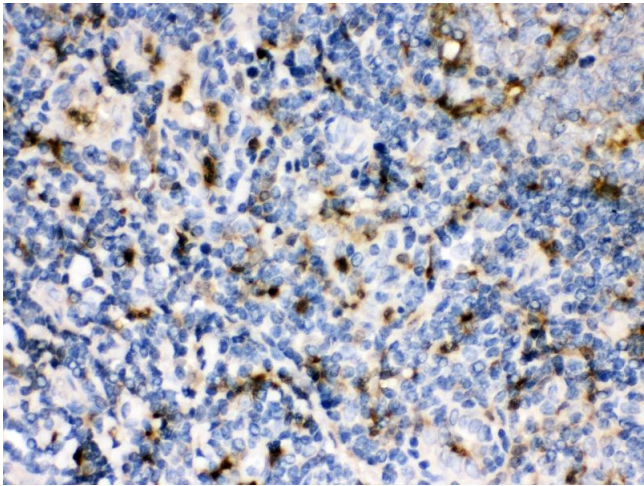
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

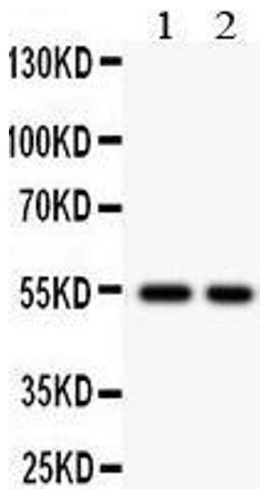
Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.



Immunohistochemistry

Image 1. Anti- Cystatin A Picoband antibody, IHC(P) IHC(P):
Human Tonsil Tissue



Western Blotting

Image 2. Observed bind size: 54KD