

# Anti-Cystatin A Antibody

Catalog # ABO11411

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P                                                                                      |
| <b>Primary Accession</b> | <a href="#">P01040</a>                                                                         |
| <b>Host</b>              | Rabbit                                                                                         |
| <b>Reactivity</b>        | Human                                                                                          |
| <b>Clonality</b>         | Polyclonal                                                                                     |
| <b>Format</b>            | Lyophilized                                                                                    |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Cystatin-A(CSTA) detection. Tested with WB, IHC-P in Human. |

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## Additional Information

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|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 1475                                                                                                                          |
| <b>Other Names</b>              | Cystatin-A, Cystatin-AS, Stefin-A, Cystatin-A, N-terminally processed, CSTA, STF1, STFA                                       |
| <b>Calculated MW</b>            | 11006                                                                                                                         |
| <b>Application Details</b>      | Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human            |
| <b>Subcellular Localization</b> | Cytoplasm .                                                                                                                   |
| <b>Tissue Specificity</b>       | Expressed in the skin throughout the epidermis. .                                                                             |
| <b>Source</b>                   | Eukaryota                                                                                                                     |
| <b>Protein Name</b>             | Cystatin-A                                                                                                                    |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub> N. |
| <b>Immunogen</b>                | A synthetic peptide corresponding to a sequence at the C-terminus of human Cystatin A(77-90aa NEDLVLTGYQVDKN).                |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                  |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                       |
| <b>Storage</b>                  | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also                                              |

## Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.  
Belongs to the cystatin family.

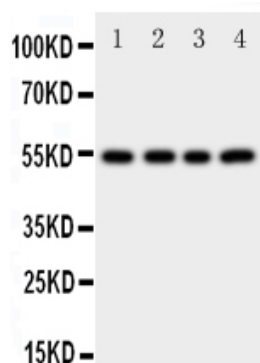
## Protein Information

|                          |                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | CSTA                                                                                                                                                      |
| <b>Synonyms</b>          | STF1, STFA                                                                                                                                                |
| <b>Function</b>          | This is an intracellular thiol proteinase inhibitor. Has an important role in desmosome-mediated cell-cell adhesion in the lower levels of the epidermis. |
| <b>Cellular Location</b> | Cytoplasm.                                                                                                                                                |
| <b>Tissue Location</b>   | Expressed in the skin throughout the epidermis.                                                                                                           |

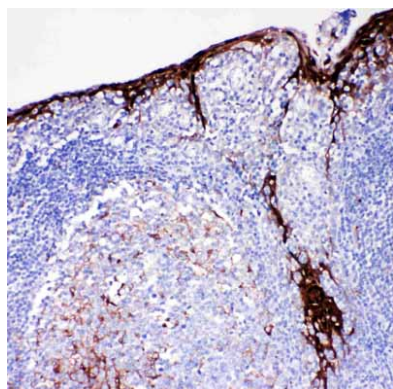
## Background

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.

## Images



Anti-Cystatin A antibody, ABO11411, Western blotting  
Recombinant Protein Detection Source: E.coli derived -recombinant Human CSTA, 45.0KD(M1-F98+unrelated protein,311aa)  
Lane 1: Recombinant Human CSTA Protein 10ng  
Lane 2: Recombinant Human CSTA Protein 5ng  
Lane 3: Recombinant Human CSTA Protein 2.5ng  
Lane 4: Recombinant Human CSTA Protein 1.25ng



Anti-Cystatin A antibody, ABO11411, IHC(P)  
IHC(P): Human Tonsil Tissue