

Datasheet for ABIN1539956  
**anti-CST3 antibody (AA 95-122)**



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1 Image

## Overview

Quantity:	0.1 mL
Target:	CST3
Binding Specificity:	AA 95-122
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CST3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This CST3 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 95-122 amino acids from human CST3.
Clone:	572CT4-3-2
Isotype:	IgG1
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

## Target Details

Target:	CST3
Alternative Name:	CST3 ( <a href="#">CST3 Products</a> )
Background:	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences.

## Target Details

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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.

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Molecular Weight: 15799

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Gene ID: 1471

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NCBI Accession: [NP\\_000090](#)

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UniProt: [P01034](#)

## Application Details

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Application Notes: WB: 1:100~800

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.

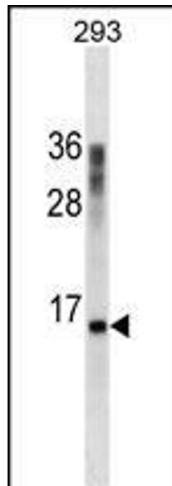
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: CST3 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



### Western Blotting

**Image 1.** CST3 Antibody ABIN1539956 western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the CST3 antibody detected the CST3 protein (arrow).