



Datasheet for ABIN969070

## anti-CST3 antibody



[Go to Product page](#)

2 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	CST3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CST3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Purified recombinant fragment of human CST3 expressed in E. coli.
Clone:	5H2
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	CST3
Alternative Name:	CST3 ( <a href="#">CST3 Products</a> )
Background:	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 the kininogens. The

## Target Details

---

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. (provided by RefSeq) Tissue specificity: Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland.

Aliases: ARMD11, MGC117328, CST3

---

Molecular Weight:	42 kDa
-------------------	--------

---

Gene ID:	1471
----------	------

---

HGNC:	1471
-------	------

## Application Details

---

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
--------------------	------------------------------------

---

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

---

Format:	Liquid
---------	--------

---

Buffer:	Ascitic fluid containing 0.03 % 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
----------	-------------

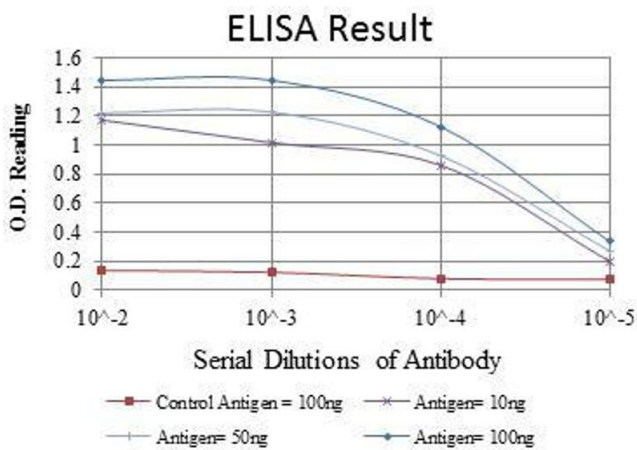
---

Storage Comment:	4°C, -20°C for long term storage
------------------	----------------------------------

Product cited in: Helisalmi, Väkevä, Hiltunen, Soininen: "Flanking markers of cystatin c (CST3) gene do not show association with Alzheimer's disease." in: **Dementia and geriatric cognitive disorders**, Vol. 27, Issue 4, pp. 318-21, (2009) ([PubMed](#)).

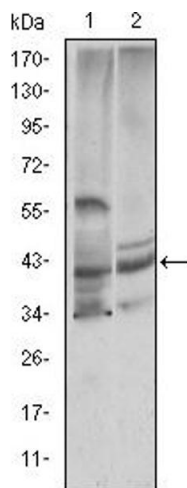
Rehman, Fought, Solomon: "N-acetylcysteine effect on serum creatinine and cystatin C levels in CKD patients." in: **Clinical journal of the American Society of Nephrology : CJASN**, Vol. 3, Issue 6, pp. 1610-4, (2008) ([PubMed](#)).

Images



**ELISA**

**Image 1.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



**Western Blotting**

**Image 2.** Western blot analysis using CST3 mouse mAb against Hela (1) and Caco-2 (2) cell lysate.