



Datasheet for ABIN7256788

## anti-CST3 antibody



[Go to Product page](#)

### 2 Images

#### Overview

Quantity:	200 µL
Target:	CST3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CST3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	Recombinant fusion protein of human CST3 (NP_000090.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

#### Target Details

Target:	CST3
Alternative Name:	CST3 ( <a href="#">CST3 Products</a> )
Background:	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 type 2 cystatin

## Target Details

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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. In addition, this protein has been shown to have an antimicrobial function, inhibiting the replication of herpes simplex virus. Alternative splicing results in multiple transcript variants encoding a single protein.

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Molecular Weight:	Observed_MW: 15 kDa Calculated_MW: 15 kDa
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Gene ID:	1471
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UniProt:	<a href="#">P01034</a>
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## Application Details

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Application Notes:	WB 1:500-1:2000 IHC 1:50-1:100
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Concentration:	1 mg/mL
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Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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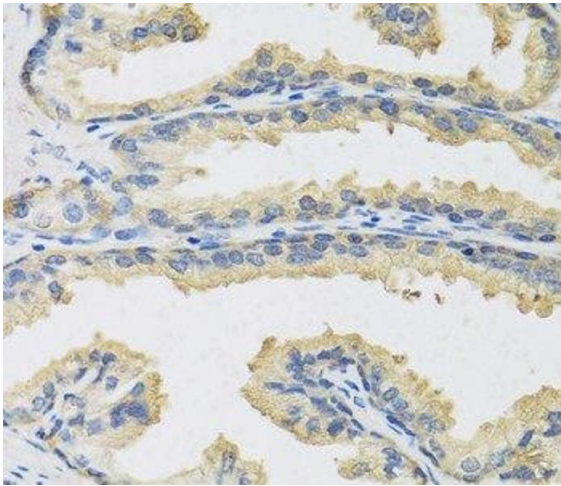
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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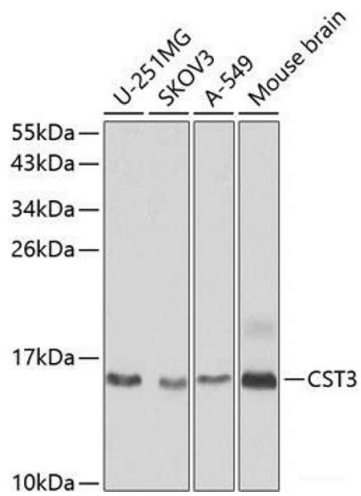
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human prostate using CST3 Polyclonal Antibody at dilution of 1:100 (40x lens).



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using CST3 Polyclonal Antibody at dilution of 1:1000.