

Datasheet for ABIN3022135

## anti-CST3 antibody

5 Images

1 Publication



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### Overview

Quantity:	100 µL
Target:	CST3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CST3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant protein of human Cystatin C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
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

## Target Details

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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. 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.

**Keywords:** CST3, ARMD11, HEL-S-2, Cell Biology & Developmental Biology, Apoptosis, Caspases, Neuroscience, Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease, Neurodegenerative Diseases Markers, Stem Cells, Neural Stem Cells, Cardiovascular, CST3

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Molecular Weight: 15 kDa

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Gene ID: 1471

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UniProt: [P01034](#)

## Application Details

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Application Notes: WB, 1:500 - 1:2000, IF, 1:10 - 1:100

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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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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Handling Advice: Avoid freeze / thaw cycles

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Storage: -20 °C

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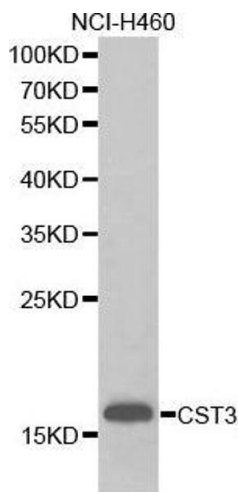
## Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Publications

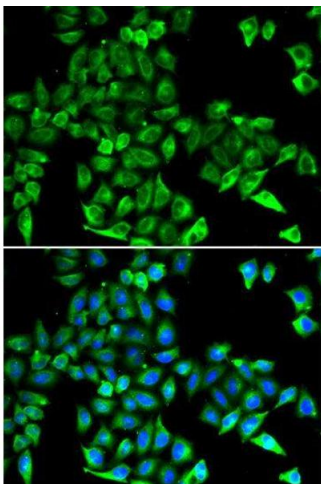
Product cited in: Xue, Zhang, Wang, Zhang, Xiang, Wang, Wang, Li, Zhang, Zou, Wang, Wu, Lu, Chen, Ding, Li, Xu: "Benzoxazinone-containing 3,5-dimethylisoxazole derivatives as BET bromodomain inhibitors for treatment of castration-resistant prostate cancer." in: **European journal of medicinal chemistry**, Vol. 152, pp. 542-559, (2018) ([PubMed](#)).

## Images



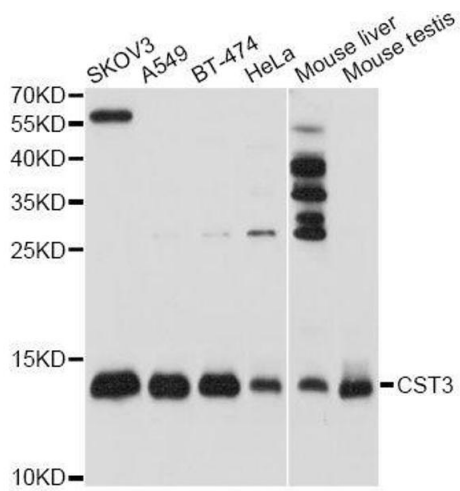
### Western Blotting

**Image 1.** Western blot analysis of extracts of NCI-H460 cell lines, using CST3 antibody.



### Immunofluorescence

**Image 2.**



### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using CST3 antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022135.