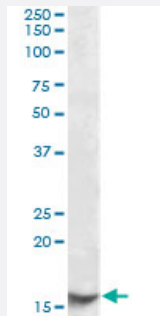


# CST3 polyclonal antibody

Catalog # PAB12818

Size 100 ug

## Applications



### Western Blot (Tissue lysate)

CST3 polyclonal antibody (Cat # PAB12818) (1 ug/mL) staining of human testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

## Specification

|                             |                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Goat polyclonal antibody raised against synthetic peptide of CST3.                                                 |
| <b>Immunogen</b>            | A synthetic peptide corresponding to amino acids at internal region of human CST3.                                 |
| <b>Sequence</b>             | C-SVEEEGVRRALD                                                                                                     |
| <b>Host</b>                 | Goat                                                                                                               |
| <b>Theoretical MW (kDa)</b> | 15.8                                                                                                               |
| <b>Specificity</b>          | 16 KDa band observed in human testis and prostate lysates (calculated MW of 15.8 KDa according to NP_000090.1).    |
| <b>Form</b>                 | Liquid                                                                                                             |
| <b>Purification</b>         | Antigen affinity purification                                                                                      |
| <b>Concentration</b>        | 0.5 mg/mL                                                                                                          |
| <b>Recommend Usage</b>      | ELISA (1:8000)<br>Western blot (0.3-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)                                                                  |
| Storage Instruction | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                     |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot (Tissue lysate)

CST3 polyclonal antibody (Cat # PAB12818) (1 ug/mL) staining of human testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CST3

|                    |                               |
|--------------------|-------------------------------|
| Entrez GeneID      | <a href="#">1471</a>          |
| Protein Accession# | <a href="#">NP_000090.1</a>   |
| Gene Name          | CST3                          |
| Gene Alias         | ARMD11, MGC117328             |
| Gene Description   | cystatin C                    |
| Omim ID            | <a href="#">105150 604312</a> |
| Gene Ontology      | <a href="#">Hyperlink</a>     |

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | <p>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 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]</p> |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Other Designations**

OTTHUMP00000030440|OTTHUMP00000164181|OTTHUMP00000164182|bA218C14.4 (cystatin C)|cystatin 3|cystatin C (amyloid angiopathy and cerebral hemorrhage)|gamma-trace|neuroendocrine basic polypeptide|post-gamma-globulin

**Publication Reference**

- [Cystatin C inhibits amyloid-beta deposition in Alzheimer's disease mouse models.](#)

Mi W, Pawlik M, Sastre M, Jung SS, Radvinsky DS, Klein AM, Sommer J, Schmidt SD, Nixon RA, Mathews PM, Levy E. Nature Genetics 2007 Dec; 39(12):1440.

Application: IP, WB, Mouse , Mouse brain

**Disease**

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amnesia](#)
- [Amyloidosis](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Frontotemporal Lobar Degeneration](#)
- [Genetic Predisposition to Disease](#)
- [Lewy Body Disease](#)
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- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
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