

Rabbit CST3 Polyclonal Antibody | anti-CST3 antibody

CST3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326225	Rabbit	Human, Mouse, Rat, Monkey	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

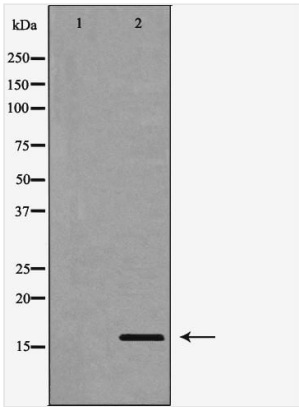
PRODUCT SYNONYMS

CST3; Polyclonal Antibody; CST3 Antibody; AD 8; AD8; Amyloid angiopathy and cerebral hemorrhage; ARMD11; bA218C14.4 (cystatin C); bA218C14.4; Cst 3; Cst3; CST3 protein; Cystatin 3; Cystatin-3; Cystatin-C; Cystatin3; CystatinC; CYTC_HUMAN; Epididymis secretory protein Li 2; Gamma trace; Gamma-trace; HCCAA; HEL S 2; MGC117328; Neuroendocrine basic polypeptide; Post gamma globulin; Post-gamma-globulin; anti-CST3 antibody

PRODUCT SPECIFICATIONS

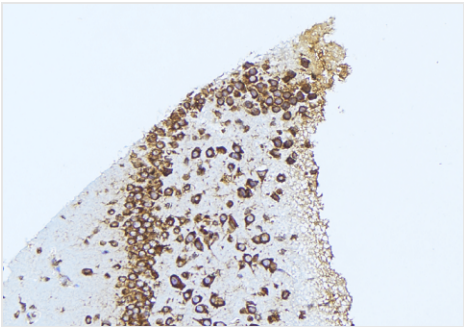
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	CST3 antibody detects endogenous levels of total CST3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	146
Applicable Applications for anti-CST3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CST3
Subcellular Location	Secreted.
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.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



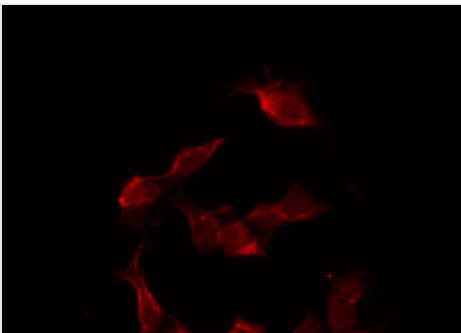
WB (Western Blot)

Western blot analysis of extracts of NCI-H460, using CST3 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326225 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326225 staining COS-7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CST3 antibody	Description: Cystatin C is a 14 kDa member of the Cystatin superfamily of cysteine protease inhibitors (1). Most cell types secrete Cystatin C (1). Cystatin C inhibits cathepsins, and thereby may function as a tumor suppressor by inhibiting cathepsin mediated tumor cell invasion (2). In addition, this tumor suppressor function can also be attributed to Cystatin C's ability to antagonize TGF-beta1 signaling (2, 3). Cystatin C may also modulate antigen presentation through its ability to inhibit cathepsins (4). Cystatin C is also a biomarker for kidney dysfunction (5). Function: As an inhibitor of cysteine proteinases, this protein is thought to serve an important physiological role as a local regulator of this enzyme activity. Subunit Structure: Homodimer. Post-translational Modifications: The Thr-25 variant is O-glycosylated with a core 1 or possibly core 8 glycan. The signal peptide of the O-glycosylated Thr-25 variant is cleaved between Ala-20 and Val-21. Similarity: Belongs to the cystatin family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503107
NCBI GeneID	1471
NCBI Accession #	NP_000090.1
NCBI GenBank Nucleotide #	NM_000099.3
UniProt Accession #	P01034; Q6FGW9; B2R5J9; D3DW42

Molecular Weight	Observed: 16 kDa Predicted: 16 kDa
NCBI Official Full Name	cystatin-C
NCBI Official Synonym Full Names	cystatin C
NCBI Official Symbol	CST3
NCBI Official Synonym Symbols	ARMD11; HEL-S-2
NCBI Protein Information	cystatin-C
UniProt Protein Name	Cystatin-C
UniProt Gene Name	CST3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cst3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326225>