

anti-Human Stefin B Polyclonal Antibody | anti-CSTB antibody

Anti-Stefin B Antibody

CATALOG # AAA46390	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
------------------------------	----------------------------	--

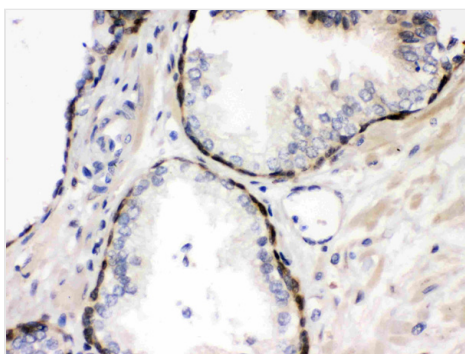
PRODUCT SYNONYMS

Stefin B; Polyclonal Antibody; Anti-Stefin B Antibody; Cystatin-B; CHROW21; CPI B; CPI-B; CST6; CSTB; Cystatin B; CYTB; CYTB_HUMAN; EPM1; EPM1A; Liver thiol proteinase inhibitor; PME; Stefin-B; STFB; ULD antibody; cystatin B (stefin B); anti-CSTB antibody

PRODUCT SPECIFICATIONS

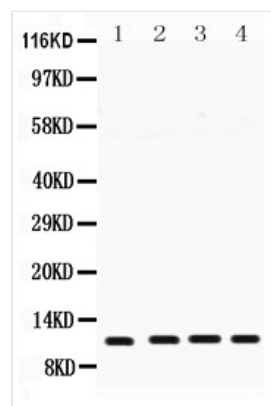
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	98
Applicable Applications for anti-CSTB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Stefin B recombinant protein (Position: M1-F98). Human Stefin B shares 78.6 % amino acid (aa) sequence identity with both mouse and rat Stefin B.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Stefin B Picoband antibody, AAA46390,IHC(P)IHC(P): Human Prostatic Cancer Tissue



WB (Western Blot)

Anti- Stefin B Picoband antibody, AAA46390, Western blottingAll lanes: Anti Stefin B (AAA46390) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: A431 Whole Cell Lysate at 40ugLane 4: A549 Whole Cell Lysate at 40ugPredicted bind size: 11KDObserved bind size: 11KD

ADDITIONAL INFORMATION

Related Product Information for anti-CSTB antibody	Description: Rabbit IgG polyclonal antibody for Cystatin-B(CSTB) detection. Tested with WB, IHC-P, ELISA in Human. Background: Cystatin B (CSTB), also called STFB, is a small protein that is a member of the superfamily of cysteine protease inhibitors. It has been isolated from human spleen and liver and its amino acid sequence has been fully determined. The cystatin B gene is located on 21q22.3. It is widely distributed and is localized mostly intracellularly, but has been found extracellularly. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins I, h and b. Its role is thought to be as a protector against the proteinases leaking from lysosomes. A cystatin B multiprotein complex might have a specific cerebellar function, and that the loss of this function might contribute to the etiopathogenesis of EPM1. Upon differentiation to myotubes, CSTB becomes excluded from the nucleus and lysosomes, suggesting that the subcellular distribution of CSTB is dependent on the differentiation status of the cell.
References	1. Alakurti, K., Weber, E., Rinne, R., Theil, G., de Haan, G.-J., Lindhout, D., Salmikangas, P., Saukko, P., Lahtinen, U., Lehesjoki, A.-E. Loss of lysosomal association of cystatin B proteins representing progressive myoclonus epilepsy, EPM1, mutations. Europ. J. Hum. Genet. 13: 208-215, 2005. Note: Erratum: Europ. J. Hum. Genet. 13: 264 only, 2005. 2. Antonarakis, S. Personal Communication. Geneva, Switzerland 4/8/1997. 3. Bespalova, I. N., Adkins, S., Pranzatelli, M., Burmeister, M. Novel cystatin B mutation and diagnostic PCR assay in an Unverricht-Lundborg progressive myoclonus epilepsy patient. Am. J. Med. Genet. 74: 467-471, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503117
NCBI GeneID	1476
NCBI Accession #	NP_000091.1
NCBI GenBank Nucleotide #	NM_000100.3
UniProt Accession #	P04080
Molecular Weight	11,140 Da
NCBI Official Full Name	cystatin-B
NCBI Official Synonym Full Names	cystatin B
NCBI Official Symbol	CSTB
NCBI Official Synonym Symbols	PME; ULD; CST6; EPM1; STFB; EPM1A
NCBI Protein Information	cystatin-B
UniProt Protein Name	Cystatin-B
UniProt Gene Name	CSTB
UniProt Synonym Gene Names	CST6; STFB
UniProt Entry Name	CYTB_HUMAN

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.