

Mouse anti-Human CSTB Monoclonal Antibody | anti-CSTB antibody

CSTB antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48015	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

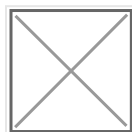
PRODUCT SYNONYMS

CSTB; Monoclonal Antibody; CSTB antibody; CystatinB; Cystatin B; Stefin B; PME; CST6; CystatinB CHROW21; CPI B; CYTB; EPM1; Liver thiol proteinase inhibitor; STFB.; anti-CSTB antibody

PRODUCT SPECIFICATIONS

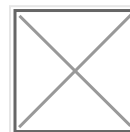
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	2F1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	98
Applicable Applications for anti-CSTB antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CSTB (1-98aa) purified from E. coli
Clone Note	Anti-human CSTB mAb, clone 2F1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CSTB protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CSTB in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CSTB antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of CSTB in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CSTB antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates of A549 (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human CSTB (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CSTB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : U-87MG cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CSTB antibody	CSTB, also known as Cystatin B is an anti-protease implicated in myoclonus epilepsy, a degenerative disease of the central nervous system. 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. This protein is able to form a dimer stabilized by noncovalent forces and is thought to play a role in protecting against the proteases leaking from lysosomes in cells. CSTB is located in the lysosomes and the cytoplasm, but also in the nucleus.
Product Categories/Family for anti-CSTB antibody	Neuroscience
References	Turk V, et al., (1991) FEBS Lett. 285 (2):213-9; Jarvinen M, et al., (1988) Acta Histochem. 82 (1):5-18

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503117
NCBI GeneID	1476
NCBI Accession #	NP_000091
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; CPI-B; EPM1A
NCBI Protein Information	cystatin-B
UniProt Protein Name	Cystatin-B
UniProt Gene Name	CSTB
UniProt Synonym Gene Names	CST6; STFB

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cstb-antibody-clone-2f1-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48015>