

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

CTSZ antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48153	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

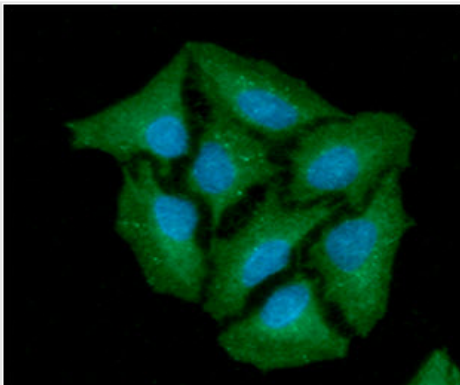
PRODUCT SYNONYMS

CTSZ; Monoclonal Antibody; CTSZ antibody; Cathepsin Z preproprotein; Cathepsin Z; CTSX; anti-CTSZ antibody

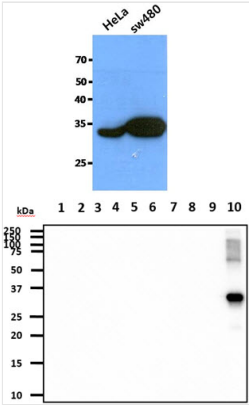
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT6G11
Purity/Purification	By protein-A 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	303
Applicable Applications for anti-CTSZ antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CTSZ (62-303aa) purified from E. coli
Clone Note	Anti-human CTSZ mAb, clone AT6G11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CTSZ 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 CTSZ in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CTSZ antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The cell lysates of HeLa (40ug) and SW480 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CTSZ antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The recombinant proteins (20ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CTSZ antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Recombinant Human CTSB Lane 2. : Recombinant Human CTSD Lane 3. : Recombinant Human CTSE Lane 4. : Recombinant Human CTSF Lane 5. : Recombinant Human CTSH Lane 6. : Recombinant Human CTSK Lane 7. : Recombinant Human CTSL Lane 8. : Recombinant Human CTSS Lane 9. : Recombinant Human CTSW Lane 10. : Recombinant Human CTSZ

ADDITIONAL INFORMATION

Related Product Information for anti-CTSZ antibody	CTSZ (Cathepsin Z), also known as Cathepsin X and Cathepsin P, is 303 amino acid protein. It is lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits carboxy-monopeptidase as well as carboxy-dipeptidase activity. This gene is widely expressed in cancer cell lines, primary tumors. CTSZ may be involved in tumor progression. And, CTSZ plays a role in normal intracellular protein degradation
Product Categories/Family for anti-CTSZ antibody	Proteases & Inhibitors
References	Pungercar. J., et al. (2000) Pflugers Arch 439: R119-R121; Pungercar. J. and Ivanovski. G. (2000) Pflugers Arch 439: R116-R118 ; Naegler. D.K., et al. (1999) Biochemistry 38: 12648-12654;

NCBI AND UNIPROT INFORMATION

NCBI GI #	22538442
NCBI GeneID	1522
NCBI Accession #	NP_001327
NCBI GenBank Nucleotide #	NM_001336.3
UniProt Accession #	Q9UBR2; O75331; Q9UQV5; Q9UQV6; B2RC40
Molecular Weight	33,868 Da
NCBI Official Full Name	cathepsin Z preproprotein
NCBI Official Synonym Full Names	cathepsin Z
NCBI Official Symbol	CTSZ
NCBI Official Synonym Symbols	CTSX
NCBI Protein Information	cathepsin Z
UniProt Protein Name	Cathepsin Z

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/ctsz-antibody-clone-at6g11-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48153>