

Rabbit anti-Human CTSB / Cathepsin B Polyclonal Antibody | anti-CTSB antibody

Rabbit Polyclonal to Human CTSB / Cathepsin B

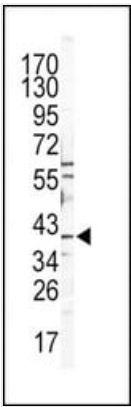
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52495	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

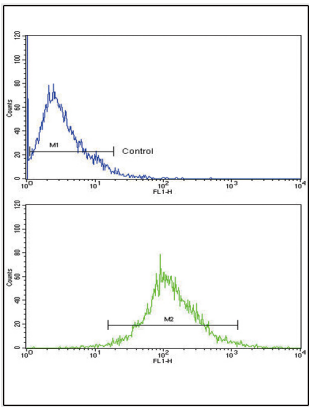
CTSB / Cathepsin B; Polyclonal Antibody; Rabbit Polyclonal to Human CTSB / Cathepsin B; Anti-CTSB / Cathepsin B Antibody (Internal) IHC-plus; CTSB; Cathepsin B1; Cathepsin B; Cathepsins B; CPSB; Cysteine protease; Preprocathepsin B; APP secretase; APPS; Human CTSB; anti-CTSB antibody

PRODUCT SPECIFICATIONS

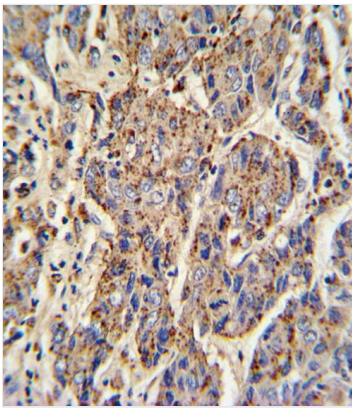
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS with 0.09% (w/v) sodium azide
Sequence Length	339
Applicable Applications for anti-CTSB antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	KLH conjugated synthetic peptide selected from the Center region of human CATB.
Immunogen Type	Synthetic peptide
Immunogen	CTSB / Cathepsin B antibody was raised against KLH conjugated synthetic peptide selected from the Center region of human CATB.
Antigen Modification	Internal
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.



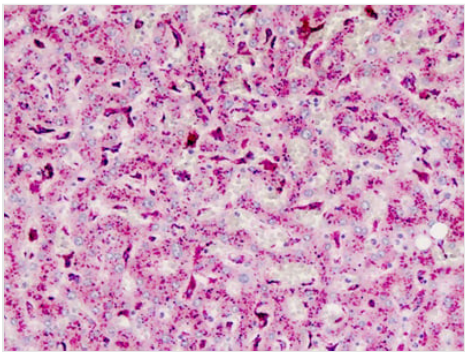
WB (Western Blot)
Western blot of CATB Antibody (Center) in Y79 cell line lysates (35 ug/lane). CATB (arrow) was detected using the purified Pab.



FCM/FACS (Flow Cytometry)
Flow cytometry of HepG2 cells using CATB Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with CATB Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



IHC (Immunohistochemistry)
Anti-CTSB / Cathepsin B antibody IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSB antibody	Cathepsin B is a lysosomal cysteine proteinase synthesized as a zymogen of 39-47 kilodaltons (kD), which is subsequently converted into an active single- chain form of 33 kD (CB33) and, by additional processing, into the active 2-chain form containing a heavy chain of 27-29 kD (CB(27-29)) and a light chain of 4-6 kD.
Product Categories/Family for anti-CTSB antibody	Family: Protease; Subfamily: Cysteine C1

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503139
NCBI GeneID	1508
NCBI Accession #	NP_001899.1
NCBI GenBank Nucleotide #	NM_001908.3
UniProt Accession #	P07858; Q503A6; Q96D87; B3KQR5; B3KRR5
Molecular Weight	37,822 Da
NCBI Official Full Name	cathepsin B preproprotein
NCBI Official Synonym Full Names	cathepsin B

NCBI Official Symbol	CTSB
NCBI Official Synonym Symbols	APPS; CPSB
NCBI Protein Information	cathepsin B; cathepsin B1; APP secretase; cysteine protease; amyloid precursor protein secretase
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Synonym Gene Names	CPSB; APPS
UniProt Entry Name	CATB_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctsb-cathepsin-b-antibody-flow-cytometry-western-blot-immunohistochemistry-elisa/52495>