

Rabbit Cathepsin B Polyclonal Antibody | anti-CTSB antibody

Cathepsin B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321858	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

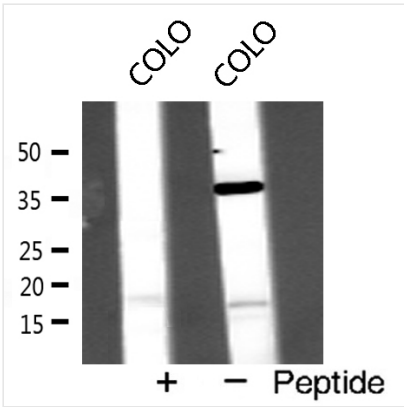
PRODUCT SYNONYMS

Cathepsin B; Polyclonal Antibody; Cathepsin B Antibody; Amyloid precursor protein secretase; APP secretase; APPS; CATB_HUMAN; Cathepsin B heavy chain; Cathepsin B1; CathepsinB; CPSB; CTSB; cysteine protease; OTTHUMP00000116009; OTTHUMP00000229510; OTTHUMP00000229511; OTTHUMP00000229512; OTTHUMP00000229514; OTTHUMP00000229515; OTTHUMP00000229516; Preprocathepsin B; anti-CTSB antibody

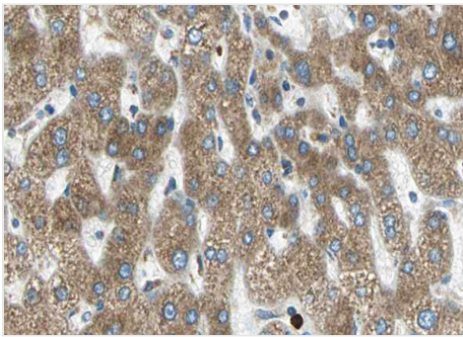
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cathepsin B antibody detects endogenous levels of total Cathepsin B
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	339
Applicable Applications for anti-CTSB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cathepsin B
Subcellular Location	Lysosome. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
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 Cathepsin B expression in COLO cells



IHC (Immunohistochemistry)
AAA321858 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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.

ADDITIONAL INFORMATION

Related Product Information for anti-CTSB antibody	Description: Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis. Subunit Structure: Dimer of a heavy chain and a light chain cross-linked by a disulfide bond. Interacts with SRPX2. Directly interacts with SHKBP1 (PubMed:16733801). Similarity: Belongs to the peptidase C1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503139
NCBI GeneID	1508
NCBI Accession #	NP_001899.1
NCBI GenBank Nucleotide #	NM_001908.4
UniProt Accession #	P07858; Q503A6; Q96D87; B3KQR5; B3KRR5
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
NCBI Official Full Name	cathepsin B isoform 1 preproprotein
NCBI Official Synonym Full Names	cathepsin B
NCBI Official Symbol	CTSB
NCBI Official Synonym Symbols	APPS; CPSB; RECEUP
NCBI Protein Information	cathepsin B
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Synonym Gene Names	CPSB; APPS

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.