ELK Biotechnology

CATB (Cleaved-Leu80) rabbit pAb

Cat No.:ES19957

For research use only

Overview

Product Name	CATB (Cleaved-Leu80) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human CATB (Cleaved-Leu80)
Specificity	This antibody detects endogenous levels of Human CATB (Cleaved-Leu80, protein was cleaved amino acid sequence between 79-80)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	CATB (Cleaved-Leu80)
Gene Name	CTSB CPSB
Cellular localization	Lysosome . Melanosome . Secreted, extracellular space . Apical cell membrane ; Peripheral membrane protein ; Extracellular side . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Localizes to the lumen of thyroid follicles and to the apical membrane of thyroid epithelial cells (By similarity). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	28 37kD
Human Gene ID	1508
Human Swiss-Prot Number	P07858
Alternative Names	Cathepsin B (EC 3.4.22.1;APP secretase;APPS;Cathepsin B1) [Cleaved into: Cathepsin B light chain; Cathepsin B heavy chain]

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Background

catalytic activity:Hydrolysis of proteins with broad specificity for peptide bonds. Preferentially cleaves -Arg-Arg-|-Xaa bonds in small molecule substrates (thus differing from cathepsin L). In addition to being an endopeptidase, shows peptidyl-dipeptidase activity, liberating C-terminal dipeptides.,function:Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis.,similarity:Belongs to the peptidase C1 family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Dimer of a heavy chain and a light chain cross-linked by a disulfide bond.,

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