

CATB (Cleaved-Leu80) rabbit pAb

Catalog No :	YC0120
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	CATB
Fields :	>>Autophagy - animal;>>Lysosome;>>Apoptosis;>>Antigen processing and presentation;>>NOD-like receptor signaling pathway;>>Renin secretion
Gene Name :	CTSB CPSB
Protein Name :	CATB (Cleaved-Leu80)
Human Gene Id :	1508
Human Swiss Prot No :	P07858
Mouse Gene Id :	13030
Mouse Swiss Prot No :	P10605
Rat Swiss Prot No :	P00787
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 28 37kD

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.,

Function : proteolysis, response to wounding, regulation of cell death, regulation of apoptosis, regulation of programmed cell death,

Subcellular Location : 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). .

Expression : Expressed in the stratum spinosum of the epidermis. Weak expression is detected in the stratum granulosum.

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