

**CATB (Cleaved-Leu80) rabbit pAb**

<b>Catalog No :</b>	YC0120
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	CATB
<b>Fields :</b>	>>Autophagy - animal;>>Lysosome;>>Apoptosis;>>Antigen processing and presentation;>>NOD-like receptor signaling pathway;>>Renin secretion
<b>Gene Name :</b>	CTSB CPSB
<b>Protein Name :</b>	CATB (Cleaved-Leu80)
<b>Human Gene Id :</b>	1508
<b>Human Swiss Prot No :</b>	P07858
<b>Mouse Gene Id :</b>	13030
<b>Mouse Swiss Prot No :</b>	P10605
<b>Rat Swiss Prot No :</b>	P00787
<b>Immunogen :</b>	Synthesized peptide derived from human CATB (Cleaved-Leu80)
<b>Specificity :</b>	This antibody detects endogenous levels of Human CATB (Cleaved-Leu80, protein was cleaved amino acid sequence between 79-80)
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

**Concentration :** 1 mg/ml

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

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**Observed Band :** 28 37kD

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

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**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). .

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

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