

**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.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	28 37kD
<b>Background :</b>	<p>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.,</p>
<b>Function :</b>	<p>proteolysis, response to wounding, regulation of cell death, regulation of apoptosis, regulation of programmed cell death,</p>
<b>Subcellular Location :</b>	<p>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). .</p>
<b>Expression :</b>	<p>Expressed in the stratum spinosum of the epidermis. Weak expression is detected in the stratum granulosum.</p>
<b>Sort :</b>	3197
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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