CATB (Cleaved-Leu80) rabbit pAb

Catalog No	YP-Ab-02302
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB; ELISA
Gene Name	CTSB CPSB
Protein Name	CATB (Cleaved-Leu80)
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
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cathepsin B (EC 3.4.22.1;APP secretase;APPS;Cathepsin B1) [Cleaved into: Cathepsin B light chain; Cathepsin B heavy chain]
Observed Band	28 37kD
Cell Pathway	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). .
Tissue Specificity	Expressed in the stratum spinosum of the epidermis. Weak expression is detected in the stratum granulosum.
Function	proteolysis, response to wounding, regulation of cell death, regulation of apoptosis, regulation of programmed cell death,
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.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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