



# CATL1 (heavy chain, Cleaved-Ala114) rabbit pAb

<b>Catalog No</b>	YP-Ab-02304
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB; ELISA
<b>Gene Name</b>	CTSL1 CTSL
<b>Protein Name</b>	CATL1 (heavy chain, Cleaved-Ala114)
<b>Immunogen</b>	Synthesized peptide derived from human CATL1 (heavy chain, Cleaved-Ala114)
<b>Specificity</b>	This antibody detects endogenous levels of Human CATL1 (heavy chain, Cleaved-Ala114, protein was cleaved amino acid sequence between 113-114 )
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Cathepsin L1 (EC 3.4.22.15;Major excreted protein;MEP) [Cleaved into: Cathepsin L1 heavy chain; Cathepsin L1 light chain]
<b>Observed Band</b>	25 37kD
<b>Cell Pathway</b>	Lysosome . Apical cell membrane ; Peripheral membrane protein ; Extracellular side . Cytoplasmic vesicle, secretory vesicle, chromaffin granule . Secreted, extracellular space . Secreted . Localizes to the apical membrane of thyroid epithelial cells. Released at extracellular space by activated dendritic cells and macrophages. . ; [Isoform 2]: Nucleus . Translation initiation at downstream start sites allows the synthesis of isoforms that are devoid of a signal peptide and do not transit through the endoplasmic reticulum to localize to the nucleus (PubMed:15099520). Nuclear location varies during the cell cycle, with higher levels during S phase (PubMed:15099520). .
<b>Tissue Specificity</b>	
<b>Function</b>	proteolysis,
<b>Background</b>	catalytic activity:Specificity close to that of papain. As compared to cathepsin B, cathepsin L exhibits higher activity toward protein substrates, but has little activity on Z-Arg-Arg-NHMec, and no peptidyl-dipeptidase activity.,function:Important for the overall degradation of proteins in lysosomes.,similarity:Belongs to the peptidase C1 family.,subunit:Dimer of a heavy and a light chain linked by disulfide



bonds.,

**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.

## Products Images