



CATL1 (heavy chain, Cleaved-Ala114) rabbit pAb

Cat No.:ES19961

For research use only

Overview

Product Name	CATL1 (heavy chain, Cleaved-Ala114) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human CATL1 (heavy chain, Cleaved-Ala114)
Specificity	This antibody detects endogenous levels of Human CATL1 (heavy chain, Cleaved-Ala114, protein was cleaved amino acid sequence between 113-114)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃ . Avoid repeated freeze-thaw cycles.
Protein Name	CATL1 (heavy chain, Cleaved-Ala114)
Gene Name	CTSL1 CTSL
Cellular localization	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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.





Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	25 37kD
Human Gene ID	1514
Human Swiss-Prot Number	P07711
Alternative Names	Cathepsin L1 (EC 3.4.22.15;Major excreted protein;MEP) [Cleaved into: Cathepsin L1 heavy chain; Cathepsin L1 light chain]
Background	<p>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.,</p>

