

Cleaved Cathepsin L1 HC (Thr288) Rabbit pAb

CatalogNo: YC0041

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,ELISA

MW

- 30kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:10000****Not yet tested in other applications.**

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human CATL1. AA range:239-288**Specificity** Cleaved-Cathepsin L1 HC (T288) Polyclonal Antibody detects endogenous levels of fragment of activated Cathepsin L1 HC protein resulting from cleavage adjacent to T288.

Target Information

Gene name CTSL1

Protein Name Cathepsin L1

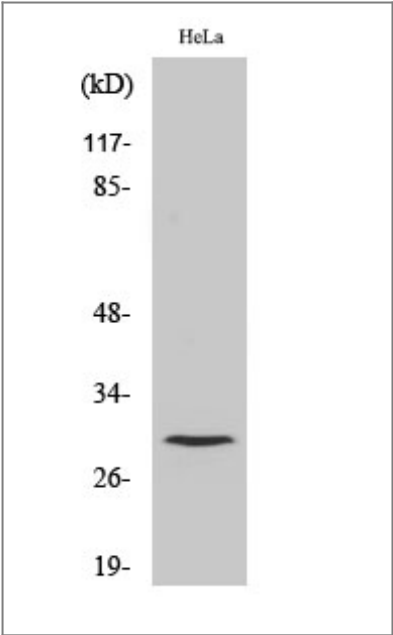
Organism	Gene ID	UniProt ID
Human	1514;	P07711;
Mouse		P06797;

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). .

Tissue specificity Cartilage,Colon endothelium,Liver,Plasma,Prostate,

Function 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.,

Validation Data



Western Blot analysis of various cells using Cleaved-Cathepsin L1 HC (T288) Polyclonal Antibody

Contact information

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**Cleaved Cathepsin
L1 HC (Thr288)
Rabbit pAb**

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