

产品名称: Cleaved-Cathepsin L1 HC (T288) Rabbit Polyclonal Antibody
产品货号: APRab08977



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Cathepsin L1 HC (T288) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CTSL1
别名 (Alternative Names)	CTSL1; CTSL; Cathepsin L1; Major excreted protein; MEP
基因 ID (Gene ID)	1514.0
蛋白 ID (SwissProt ID)	P07711.The antiserum was produced against synthesized peptide derived from human CATL1. AA range:239-288

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	30kDa

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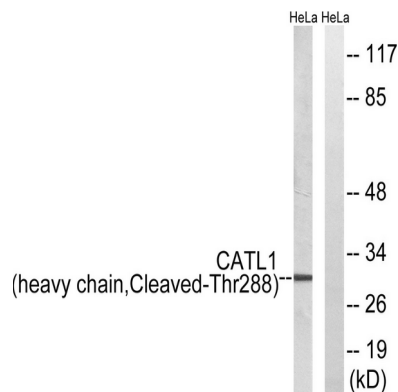
研究背景 (Background)

The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012],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-NHMe, 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.,

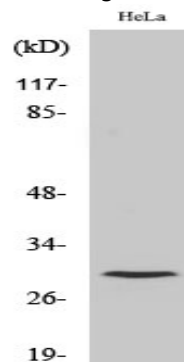
研究领域 (Research Area)

Lysosome;Antigen processing and presentation;

图片 (Image Data)



Western blot analysis of lysates from HeLa cells, treated with etoposide 25uM 1h, using CATL1 (heavy chain,Cleaved-Thr288) Antibody. The lane on the right is blocked with the synthesized peptide.



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

注意事项 (Note)

For research use only .