

产品名称: Cleaved-Cathepsin G (I21) Rabbit Polyclonal Antibody
产品货号: APRab08976



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Cathepsin G (I21) 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,Mouse,Rat

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)	CTSG
别名 (Alternative Names)	CTSG; Cathepsin G; CG
基因 ID (Gene ID)	1511.0
蛋白 ID (SwissProt ID)	P08311.The antiserum was produced against synthesized peptide derived from human CATG. AA range:2-51

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	28+26kDa

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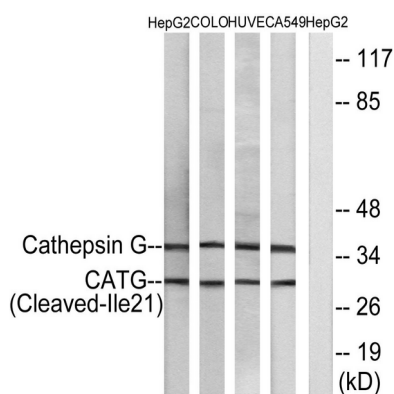
研究背景 (Background)

The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophilic granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. In addition, the encoded protein is antimicrobial, with bacteriocidal activity against *S. aureus* and *N. gonorrhoeae*. Transcript variants utilizing alternative polyadenylation signals exist for this gene. [provided by RefSeq, Sep 2014], catalytic activity: Specificity similar to chymotrypsin C, enzyme regulation: Inhibited by soybean trypsin inhibitor, benzamidine, the synthetic peptide R13K, Z-Gly-Leu-Phe-CH₂Cl and phenylmethylsulfonyl fluoride. Inhibited by LPS from *P. aeruginosa* but not by LPS from *S. minnesota*, function: Serine protease with trypsin- and chymotrypsin-like specificity. Has antibacterial activity against the Gram-negative bacterium *P. aeruginosa*, antibacterial activity is inhibited by LPS from *P. aeruginosa*, Z-Gly-Leu-Phe-CH₂Cl and phenylmethylsulfonyl fluoride, similarity: Belongs to the peptidase S1 family, similarity: Contains 1 peptidase S1 domain.

研究领域 (Research Area)

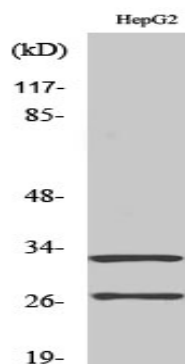
Neuroactive ligand-receptor interaction; Lysosome; Renin-angiotensin system; Systemic lupus erythematosus;

图片 (Image Data)



Western blot analysis of lysates from HepG2, COLO, HUVEC, and A549 cells, using CATG (Cleaved-Ile21) 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 G (I21) Polyclonal Antibody

注意事项 (Note)

For research use only .