
Product Name: Cathepsin G Rabbit Polyclonal Antibody**Catalog #: APRab08018**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	22kDa

Antigen Information

Gene Name	CTSG
Alternative Names	CTSG; Cathepsin G; CG
Gene ID	1511.0
SwissProt ID	P08311
Immunogen	The antiserum was produced against synthesized peptide derived from human Cathepsin G. AA range:67-116

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.,

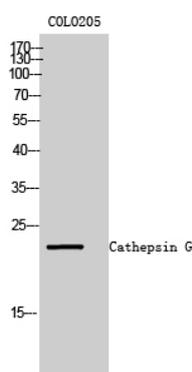
Research Area

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

Image Data



Western blot analysis of lysate from COLO cells, using Cathepsin G antibody.



Western Blot analysis of COLO205 cells using Cathepsin G Polyclonal Antibody