

Product name:	Cathepsin G Rabbit Polyclonal Antibody
Cat number:	ABN08018
Conjugate:	Unconjugated
Size:	100μL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Cathepsin G. AA range:67-116
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight:	22kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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 <i>S. aureus</i> and <i>N. gonorrhoeae</i>. 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 <i>P.aeruginosa</i> but not by LPS from <i>S.minnesota</i>.,function:Serine protease with trypsin- and chymotrypsin-like specificity. Has antibacterial activity against the Gram-negative bacterium <i>P.aeruginosa</i>, antibacterial activity is inhibited by LPS from <i>P.aeruginosa</i>, Z-Gly-Leu-Phe-CH₂Cl and phenylmethylsulfonyl fluoride.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 peptidase S1 domain.,