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Cleaved-Cathepsin G (I21) Polyclonal Antibody

FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourcePolyclonal, Rabbit, IgGPurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWestern Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearObserved Band28+26kDCell PathwayCell membrane ; Peripheral membrane protein . Cytoplasmic granule . Secreted by activated neutrophils (Yuoplasm, cytosol . Lysosome . Nucleus . Secreted by activated neutrophils (PubMed: 320156). Detected in synovial fluid (PubMed: 32144329). Localizes to lysosomes in B cells where it is not endogenously synthesized but is internalized from the cell membrane (PubMed: 11259672)Tissue SpecificityExpressed in neutrophils (at protein level) (PubMed: 3799965). Expressed in B cells (PubMed: 15100291).		
Reactivity Human;Mouse;Rat Applications WB;ELISA Gene Name CTSG Protein Name Cathepsin G Immunogen The antiserum was produced against synthesized peptide derived from human CATG. AA range:2-51 Specificity Cleaved-Cathepsin G (121) Polyclonal Antibody detects endogenous levels of fragment of activated Cathepsin G protein resulting from cleavage adjacent to 121 Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms CTSG; Cathepsin G; CG Observed Band 28+26kD Cell Pathway Cell membrane ; Peripheral membrane protein . Cytoplasmic granule . Secreted . Votoplasm, cytosoi . Lysosome . Nucleus . Secreted by activated neutrophils (PubMed:339015b). Decateet on is nyovial fluid (PubMed:3799965). Expressed in B cells (PubMed:15100291). Localizes to the nucleus during applotasi (PubMed:15100291). Tissue Specificity	Catalog No	YP-Ab-02285
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attention

Usage suggestions

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Background The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil 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], Avoid repeated freezing and thawing! matters needing

This product can be used in immunological reaction related experiments. For

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Products Images

more information, please consult technical personnel.

