
Product Name: Chymase Rabbit Polyclonal Antibody**Catalog #: APRab08800**

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 1:10000-1:20000
Molecular Weight	27kDa

Antigen Information

Gene Name	CMA1
Alternative Names	CMA1; CYH; CYM; Chymase; Alpha-chymase; Mast cell protease I
Gene ID	1215.0
SwissProt ID	P23946
Immunogen	Synthesized peptide derived from the Internal region of human Chymase.

Background

chymase 1(CMA1) Homo sapiens This gene encodes a chymotryptic serine proteinase that belongs to the peptidase family S1. It is expressed in mast cells and is thought to function in the degradation of the extracellular matrix, the regulation of

submucosal gland secretion, and the generation of vasoactive peptides. In the heart and blood vessels, this protein, rather than angiotensin converting enzyme, is largely responsible for converting angiotensin I to the vasoactive peptide angiotensin II. Alternative splicing results in multiple variants. [provided by RefSeq, Apr 2015],catalytic activity:Preferential cleavage: Phe-|-Xaa > Tyr-|-Xaa > Trp-|-Xaa > Leu-|-Xaa.,function:Major secreted protease of mast cells with suspected roles in vasoactive peptide generation, extracellular matrix degradation, and regulation of gland secretion.,similarity:Belongs to the peptidase S1 family.,similarity:Belongs to the peptidase S1 family. Granzyme subfamily.,similarity:Contains 1 peptidase S1 domain.,subcellular location:Mast cell granules.,tissue specificity:Mast cells in lung, heart, skin and placenta.,

Research Area

Renin-angiotensin system;

Image Data



Western Blot analysis of mouse lung cells using Chymase Polyclonal Antibody..
Secondary antibody was diluted at 1:20000