



Chymase Polyclonal Antibody

Catalog No	YP-Ab-04304
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CMA1
Immunogen	Synthesized peptide derived from the Internal region of human Chymase.
Specificity	Chymase Polyclonal Antibody detects endogenous levels of Chymase protein.
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	Alpha chymase;chymase;chymase 1;mast cell;CMA1;CYH;CYM;Mast Cell Chymase;Mast cell protease I;Alpha-chymase
Observed Band	27kD
Calculated Molecular Weight	27kD
Cell Pathway	Secreted. Cytoplasmic granule. Mast cell granules.
Tissue Specificity	Mast cells in lung, heart, skin and placenta. Expressed in both normal skin and in urticaria pigmentosa lesions.
Function	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.,



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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of mouse lung cells using Chymase Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000