

Anti-CMA1 Picoband Antibody

Catalog # ABO11774

Product Information

Application	WB, IHC-P
Primary Accession	P23946
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Chymase(CMA1) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1215
Other Names	Chymase, 3.4.21.39, Alpha-chymase, Mast cell protease I, CMA1, CYH, CYM
Calculated MW	27325
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	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. .
Source	Eukaryota
Protein Name	Chymase
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human CMA1 recombinant protein (Position: I22-N247). Human CMA1 shares 75% and 74% amino acid (aa) sequences identity with mouse and rat CMA1, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After r° Constitution, at 4° C for one month. It° Can also

Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Belongs to the peptidase S1 family. Granzyme subfamily.

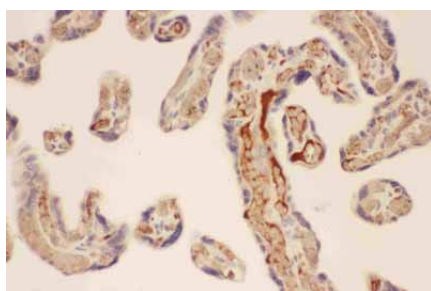
Protein Information

Name	CMA1
Synonyms	CYH, CYM
Function	Major secreted protease of mast cells with suspected roles in vasoactive peptide generation, extracellular matrix degradation, and regulation of gland secretion.
Cellular Location	Secreted. Cytoplasmic granule. Note=Mast cell granules
Tissue Location	Mast cells in lung, heart, skin and placenta. Expressed in both normal skin and in urticaria pigmentosa lesions

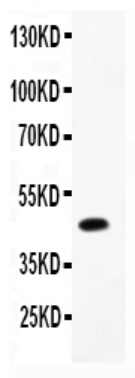
Background

Chymase is a major secreted protease of mast cells with suspected roles in vasoactive peptide generation, extracellular matrix degradation, and regulation of gland secretion. This gene product is a chymotryptic serine proteinase that belongs to the peptidase family S1. Chymase is mapped to 14q12. It is expressed in mast cells and 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.

Images



Anti-CMA1 Picoband antibody, ABO11774-1.JPGIHC(P):
Human Placenta Tissue



Anti-CMA1 Picoband antibody, ABO11774-2.jpgAll lanes:
Anti-CMA1(ABO11774) at 0.5ug/mlWB: Recombinant
Human CMA1 Protein 0.5ngPredicted bind size:
47KDObserved bind size: 47KD