

Chymase Polyclonal Antibody

Catalog No :	YT5123
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	Chymase
Fields :	>>Renin-angiotensin system;>>Diabetic cardiomyopathy
Gene Name :	CMA1
Protein Name :	Chymase
Human Gene Id :	1215
Human Swiss Prot No :	P23946
Mouse Swiss Prot No :	P21844
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
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	27kD
Cell Pathway :	Renin-angiotensin system;
Background :	<p>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],</p>
Function :	<p>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.,</p>
Subcellular Location :	Secreted. Cytoplasmic granule. Mast cell granules.
Expression :	Mast cells in lung, heart, skin and placenta. Expressed in both normal skin and in urticaria pigmentosa lesions.
Tag :	hot
Sort :	3987
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images

KDa**70****55****40****35****25****15**

mouse lung



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