

CMA1 Rabbit pAb

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Catalog # AP52170

Product Information

Application	WB
Primary Accession	P23946
Reactivity	Rat, Human, Mouse
Predicted	Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27325
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CMA1
Epitope Specificity	28-42/247
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. Cytoplasmic granule. Note=Mast cell granules.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Mast cells contain a number of preformed chemicals mediators such as histamine, chymase, carboxypeptidase and proteolytic tryptase. Human Mast Cell Chymase is considered to be an important marker of mast cells as well as an important mediator of inflammation.

Additional Information

Gene ID	1215
Other Names	Chymase, 3.4.21.39, Alpha-chymase, Mast cell protease I, CMA1, CYH, CYM
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

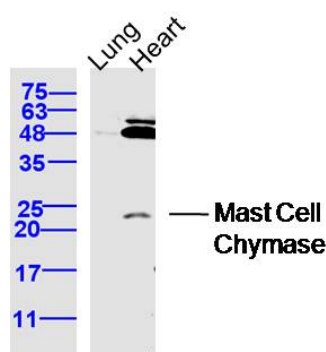
Background

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References

Caughey G.H.,et al.J. Biol. Chem. 266:12956-12963(1991).
 Urata H.,et al.J. Biol. Chem. 266:17173-17179(1991).
 Schechter N.M.,et al.J. Immunol. 152:4062-4069(1994).
 Goshima N.,et al.Nat. Methods 5:1011-1017(2008).
 Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Sample:
 Lung (Mouse) Lysate at 40 ug
 Heart (Rat) Lysate at 40 ug
 Primary: Anti- Mast Cell Chymase (AP52170) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 25 kD
 Observed band size: 23 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.