

For Research Use Only

Mast Cell Chymase Polyclonal antibody



Catalog Number: 18189-1-AP

Featured Product

11 Publications

Basic Information

Catalog Number:

18189-1-AP

Size:

150ul, Concentration: 350 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12909

GenBank Accession Number:

BC069370

GeneID (NCBI):

1215

Full Name:

chymase 1, mast cell

Calculated MW:

247 aa, 27 kDa

Observed MW:

27-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse heart tissue, human heart tissue, human placenta tissue, MCF-7 cells

IP: mouse heart tissue,

IHC: human tonsillitis tissue,

Background Information

Mast Cell Chymase, also named as CYH, CYM and CMA1, belongs to the peptidase S1 family and Granzyme subfamily. It is the major secreted protease of mast cells with suspected roles in vasoactive peptide generation, extracellular matrix degradation, and regulation of gland secretion. CMA1 may be a target for cardiovascular disease therapies.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|----------------------------|-------------|
| Cheng Chen | 33007290 | Eur J Pharmacol | WB |
| Emily Mackey | 32917815 | Proc Natl Acad Sci U S A | WB |
| Qinglang Li | 31493866 | Biochem Biophys Res Commun | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

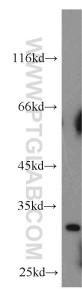
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

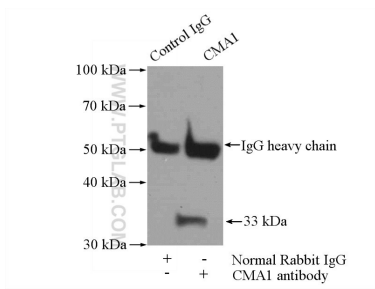
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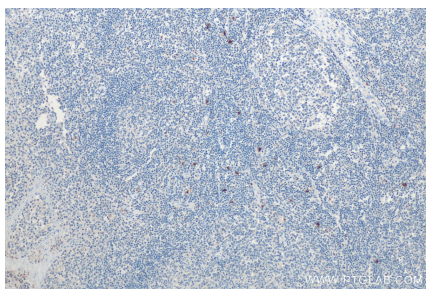
Selected Validation Data



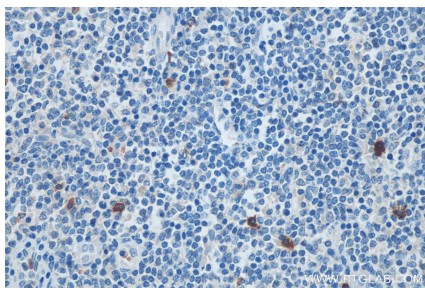
mouse heart tissue were subjected to SDS PAGE followed by western blot with 18189-1-AP (Mast Cell Chymase antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-Mast Cell Chymase (IP:18189-1-AP, 4ug; Detection:18189-1-AP 1:300) with mouse heart tissue lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18189-1-AP (Mast Cell Chymase antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18189-1-AP (Mast Cell Chymase antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).