

## Mast Cell Chymase Rabbit mAb

Catalog No: #49801

Package Size: #49801-1 50ul #49801-2 100ul

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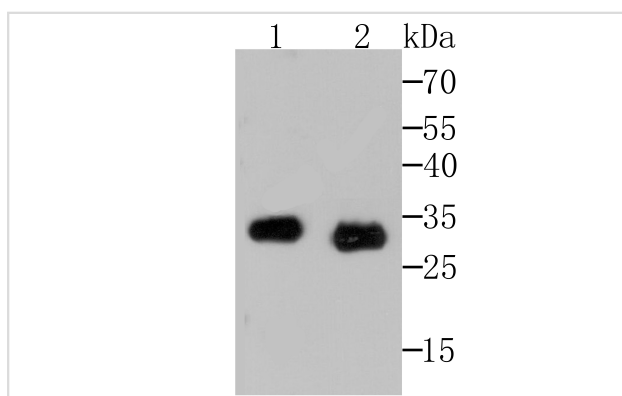
## Description

Product Name	Mast Cell Chymase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB74-32
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Alpha-chymase antibody Chymase 1 antibody Chymase 1 mast cell antibody chymase 1 preproprotein transcript E antibody chymase 1 preproprotein transcript I antibody Chymase antibody Chymase, heart antibody Chymase, mast cell antibody CMA1 antibody CMA1_HUMAN antibody CYH antibody CYM antibody EC 3.4.21.39 antibody Mast cell chymase 1 antibody Mast cell protease 3 antibody Mast cell protease 5 antibody Mast cell protease I antibody Mast cell protease III antibody Mcp-5 antibody MCP3P antibody Mcpt5 antibody MCT1 antibody MGC119890 antibody MGC119891 antibody MMCP-5 antibody
Accession No.	Swiss-Prot#:P23946
Uniprot	P23946
GeneID	1215;
Calculated MW	27kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

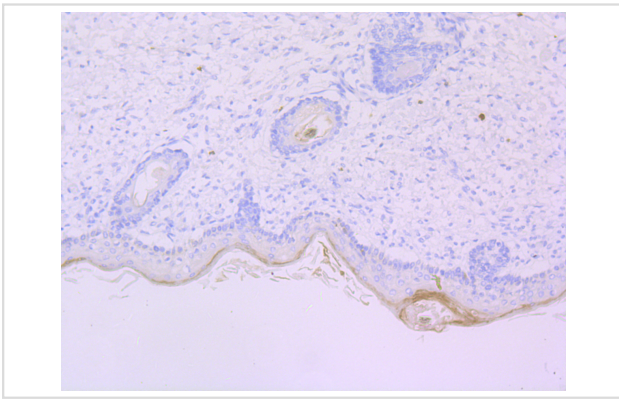
## Application Details

WB: 1:500-1:2000 IHC: 1:50-1:200

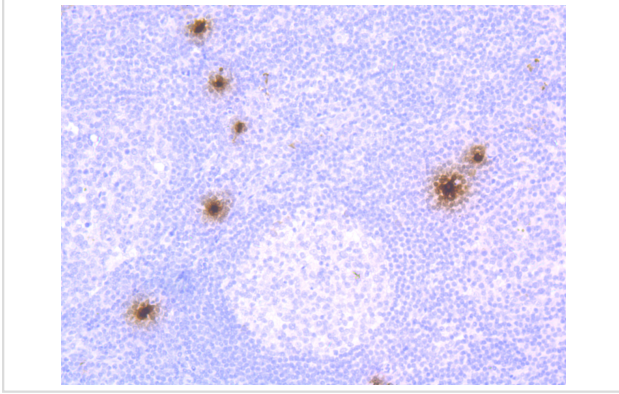
## Images



Western blot analysis of Mast Cell Chymase on rat spleen and mouse spleen tissue lysates using anti-Mast Cell Chymase antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human skin tissue using anti- Mast Cell Chymase antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti- Mast Cell Chymase antibody. Counter stained with hematoxylin.

## Background

Mast cells are connective tissue cells derived from blood-forming tissues that line arterial walls and secrete substances, which mediate inflammatory and immune responses. Mast Cell Chymase, also known as CMA1 or MCT1, is a major secreted serine protease that is involved in vasoactive peptide generation, extracellular matrix degradation and regulation of gland secretion. The human chymase gene, which maps to human chromosome 14q11.2, encodes a preproenzyme with a 19 amino acid signal peptide, an acidic 2 amino acid propeptide and a 226 amino acid catalytic domain. Mast Cell Chymase is a chymotryptic serine proteinase which is a member of the peptidase family S1. Expressed in mast cells, Mast Cell Chymase is associated with the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. Mast cell proteases are a family of rodent protein homologs to human tryptases that are specifically expressed in mast cells and may serve as highly specific markers in the analysis of mast cell heterogeneity, differentiation and function. Mast Cell Protease 1, also designated Mcp-1 or Mcpt1, is a rodent specific beta-chymase. The mouse and rat Mast Cell Protease 1 proteins share 76% sequence identity at the amino acid level.

## References

Note: This product is for in vitro research use only