Rabbit anti-Human Mast Cell Chymase Monoclonal Antibody | anti-CMA1 antibody

Mast Cell Chymase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312614	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Mast Cell Chymase; Monoclonal Antibody; Mast Cell Chymase Antibody; 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; 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; anti-CMA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JB74-32
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CMA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES

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

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

WB (Western Blot)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-CMA1 antibody	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.
Product Categories/Family for anti-CMA1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502907
NCBI GeneID	1215
NCBI Accession #	NP_001827.1
NCBI GenBank Nucleotide #	NM_001836.3
UniProt Accession #	P23946; Q16018; Q3SY36; Q9UDH5; B5BUM8
Molecular Weight	27,325 Da
NCBI Official Full Name	chymase preproprotein
NCBI Official Synonym Full Names	chymase 1, mast cell
NCBI Official Symbol	CMA1
NCBI Official Synonym Symbols	CYH; MCT1; chymase
NCBI Protein Information	chymase; alpha-chymase; chymase, heart; chymase, mast cell; mast cell protease I; chymase 1 preproprotein transcript E; chymase 1 preproprotein transcript I
UniProt Protein Name	Chymase
UniProt Gene Name	**CMA1**
UniProt Synonym Gene Names	CYH; CYM
UniProt Entry Name	CMA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/mast-cell-chymase-antibody-clone-jb74-32-immunohistochemistry-western-blot-elisa/312614