



[Go to Product page](#)

Datasheet for ABIN6942587 anti-CMA1 antibody

Overview

Quantity:	100 µL
Target:	CMA1
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CMA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein within human Mast Cell Chymase aa 50-200
Clone:	1G11
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CMA1
Alternative Name:	CMA1 (CMA1 Products)
Background:	Synonyms: Chymase 1, Alpha-chymase, Mast cell protease I, CMA1, CYH, CYM. Background: Mast cells are connective tissue cells derived from blood-forming tissues that line

Target Details

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.

Gene ID:	1215
UniProt:	P23946
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Carbohydrate Homeostasis

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	12 months
