

Sheep anti-Human Mast Cell Chymase Polyclonal Antibody | anti-CMA1 antibody

Mast Cell Chymase (CMA1)

CATALOG # AAA14718	HOST Sheep	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunoprecipitation
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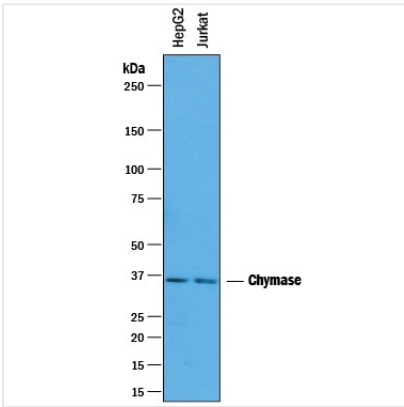
PRODUCT SYNONYMS

Mast Cell Chymase; Polyclonal Antibody; Mast Cell Chymase (CMA1); Anti -Mast Cell Chymase (CMA1); anti-CMA1 antibody

PRODUCT SPECIFICATIONS

Host	Sheep
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes human Chymase. Crossreactivity: ~10% with MCPT1 and <1% with rhGranzyme-B, rhGranzyme-H, rmMCPT6 and rmMCPT7.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Form/Format	Supplied as a lyophilized powder from PBS, pH7.4, 5% trehalose. Reconstitute with 500ul sterile PBS.
Concentration	~0.2mg/ml (after reconstitution) (varies by lot)
Applicable Applications for anti-CMA1 antibody	ELISA, WB (Western Blot), IP (Immunoprecipitation)
Application Notes	Suitable for use in Western Blot, Immunoprecipitation and ELISA. Dilution: Western Blot: 0.1-0.2ug/ml. Detection limit is ~5ng/lane under non-reducing or reducing conditions. Immunoprecipitation: Immunoprecipitate rhChymase from conditioned media of transfected NS0 cells. ELISA: 0.5-1ug/ml. Detection limit is ~1.5ng/well.
Grade	Affinity Purified
Immunogen	Recombinant protein corresponding to Gly20-Asn247 from human Chymase expressed in NS0 cells.
Preparation and Storage	Lyophilized powder may be stored at -20°C. Stable for 12 months after receipt at -20°C Reconstitute with sterile PBS. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



WB (Western Blot)
Western Blot of human Chymase/CMA1using AAA14718

ADDITIONAL INFORMATION

Related Product Information for anti-CMA1 antibody	Chymase (also mast cell protease I) is a secreted, 30kD glycoprotein member of the granzyme subfamily, peptidase S1 family of enzymes. It is secreted by mast cells and vascular smooth muscle cells, and converts angiotensin I into angiotensin II. This promotes fibroblast proliferation and secretion of ECM. Mature human chymase is 226aa in length. It contains one peptidase S1 domain (aa22-245). There is one potential alternate splice form. It shows a deletion of the 99 C-terminal amino acids (aa49-247).
Product Categories/Family for anti-CMA1 antibody	Antibodies; Abs to Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	180542
NCBI GeneID	1215
UniProt Accession #	P23946; Q16018; Q3SY36; Q9UDH5; B5BUM8; Q3SY37; Q4FEB3; Q4FEB5
NCBI Official Full Name	mast cell chymase
NCBI Official Synonym Full Names	chymase 1, mast cell
NCBI Official Symbol	CMA1
NCBI Official Synonym Symbols	CYH; MCT1; chymase; MGC119890; MGC119891
NCBI Protein Information	chymase; alpha-chymase; chymase, heart; OTTHUMP00000178751; 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.