

Mast Cell Tryptase Rabbit mAb

Catalog No: #48980

Package Size: #48980-1 50ul #48980-2 100ul



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
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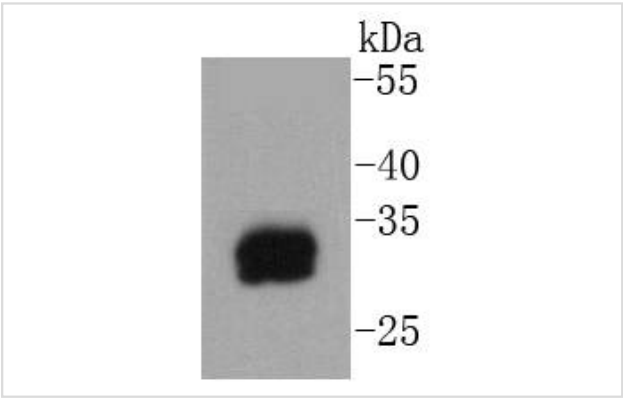
Description

Product Name	Mast Cell Tryptase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SC68-07
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	alpha II antibody Lung tryptase antibody Mast cell alpha II tryptase antibody Mast cell beta I tryptase antibody Mast cell protease 7 antibody Mast cell protease II antibody MCP 7 antibody Pituitary tryptase antibody Skin tryptase antibody TPS 1 antibody TPS1 antibody TPS2 antibody TPSAB1 antibody TPSAB1 protein antibody TPSB1 antibody Tryptase 1 antibody Tryptase alpha 1 antibody tryptase alpha I included antibody Tryptase alpha II antibody tryptase alpha II included antibody tryptase alpha included antibody tryptase alpha/beta 1 antibody Tryptase beta 1 antibody tryptase beta I included antibody Tryptase I antibody tryptase I included antibody Tryptase III antibody Tryptase skin antibody
Accession No.	Swiss-Prot#:Q15661
Calculated MW	30 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

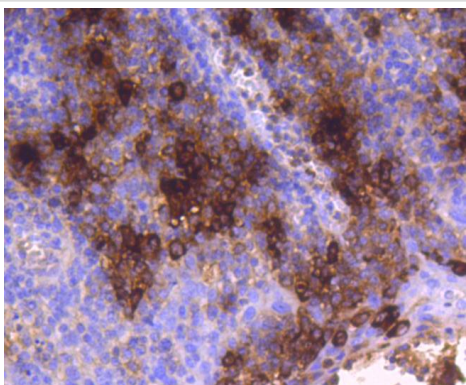
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200

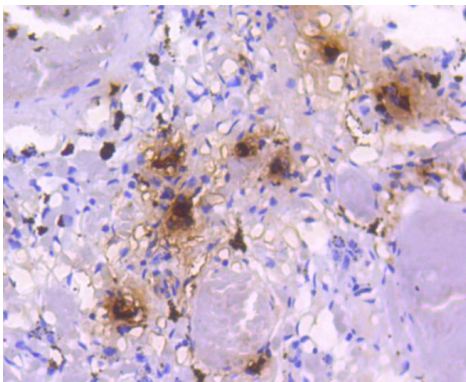
Images



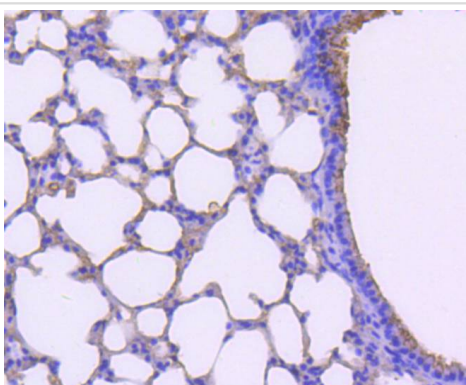
Western blot analysis of Mast Cell Tryptase on human skin lysates using anti-Mast Cell Tryptase antibody at 1/1,000 dilution.



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



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



Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-Mast Cell Tryptase 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, known as CMA1, 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. Tryptases comprise a family of trypsin-like serine proteases that are enzymatically active as heparin-stabilized tetramers. There are four functional genes for tryptase: α I, β I, β II and γ I, which map to human chromosome 16p13.3, with β tryptases representing the main isoenzymes expressed in mast cells. 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.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.