

Rabbit Mast Cell Tryptase Monoclonal Antibody | anti-TPSAB1 antibody

Mast Cell Tryptase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312267	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

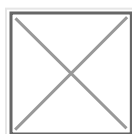
PRODUCT SYNONYMS

Mast Cell Tryptase; Monoclonal Antibody; Mast Cell Tryptase Antibody; 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; anti-TPSAB1 antibody

PRODUCT SPECIFICATIONS

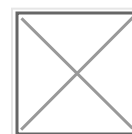
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SC68-07
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TPSAB1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



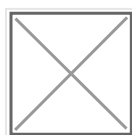
IHC (Immunohistochemistry)

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



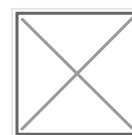
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-TPSAB1 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, 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. Trypsases comprise a family of trypsin-like serine proteases that are enzymatically active as heparin-stabilized tetramers. There are four functional genes for trypsin: alpha I, beta I, beta II and gamma I, which map to human chromosome 16p13.3, with beta trypsins representing the main isoenzymes expressed in mast cells. Mast cell proteases are a family of rodent protein homologs to human trypsins that are specifically expressed in mast cells and may serve as highly specific markers in the analysis of mast cell heterogeneity, differentiation and function.
Product Categories/Family for anti-TPSAB1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	1182067
NCBI GeneID	7177
UniProt Accession #	Q15661; P15157; Q15663; Q6B052; Q9H2Y4; Q9H2Y5; Q9UQI1; D2E6R9; D2E6S1
Molecular Weight	30,515 Da
NCBI Official Full Name	trypsin
NCBI Official Synonym Full Names	trypsin alpha/beta 1
NCBI Official Symbol	TPSAB1
NCBI Official Synonym Symbols	TPS1; TPS2; TPSB1
NCBI Protein Information	trypsin alpha/beta-1; trypsin I; trypsin-1; trypsin-I; trypsin-III; trypsin beta 1; trypsin beta I; trypsin beta-1; trypsin alpha-1; trypsin alpha II; mast cell beta I trypsin; mast cell alpha II trypsin
UniProt Protein Name	Trypsin alpha/beta-1
UniProt Gene Name	TPSAB1
UniProt Synonym Gene Names	TPS1; TPS2; TPSB1; Trypsin-1
UniProt Entry Name	TRYB1_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.