

Rabbit anti-Human Mast Cell Tryptase (TPSB2) Monoclonal Antibody | anti-TPSB2 antibody

Mast Cell Tryptase (TPSB2) Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282831	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

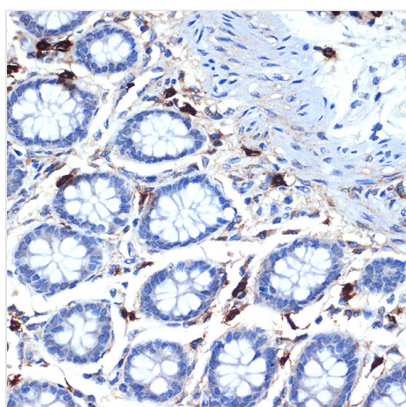
PRODUCT SYNONYMS

Mast Cell Tryptase (TPSB2); Monoclonal Antibody; Mast Cell Tryptase (TPSB2) Rabbit mAb; TPS1; TPS2; TPSB1; TPSB2; Tryptase-2; anti-TPSB2 antibody

PRODUCT SPECIFICATIONS

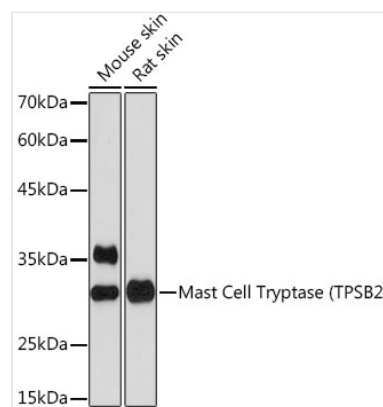
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GIVGGQEAPR SKWPWQVSLR VHGPYWMHFC GGSLIHPQWV LTAACHCVGPD VKDLAALRVQ LREQHLYYQD QLLPVSRIV HPQFYTAQIG ADIALLEEE PVNVSSHVHT VTLPPASETF PPGMPCWVTG WGDVDNDERL PPPFPLKQVK VPIMENHICD AKYHLGAYTG DDVRIVRDDM LCAGNTRRDS CQGDSGGPLV CKVNGTWLQA GVVSWGEGCA QPNRPGIYTR VTYLDWIHH YVPKKP
Applicable Applications for anti-TPSB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 30-275 of human Mast Cell Tryptase (TPSB2)(TPSB2)(P20231).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon using Mast Cell Tryptase (TPSB2) Rabbit mAb (AAA282831) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using Mast Cell Tryptase (TPSB2) Rabbit mAb (AAA282831) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-TPSB2 antibody	Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They have a highly conserved 3' UTR and contain tandem repeat sequences at the 5' flank and 3' UTR which are thought to play a role in regulation of the mRNA stability. These genes have an intron immediately upstream of the initiator Met codon, which separates the site of transcription initiation from protein coding sequence. This feature is characteristic of tryptases but is unusual in other genes. The alleles of this gene exhibit an unusual amount of sequence variation, such that the alleles were once thought to represent two separate genes, beta II and beta III. Beta tryptases appear to be the main isoenzymes expressed in mast cells, whereas in basophils, alpha-tryptases predominate. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders.
Product Categories/Family for anti-TPSB2 antibody	Cell Biology Developmental Biology; Ubiquitin; Immunology Inflammation; Cell Intrinsic Innate Immunity Signaling Pathway; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1182067
NCBI GeneID	64499
UniProt Accession #	Q15661; P15157; Q15663; Q6B052; Q9H2Y4; Q9H2Y5; Q9UQI1; D2E6R9; D2E6S1
Molecular Weight	Calculated MW: 31kDa Observed MW: 31kDa
UniProt Protein Name	Tryptase alpha/beta-1
UniProt Gene Name	TPSAB1
UniProt Synonym Gene Names	TPS1; TPS2; TPSB1; Tryptase-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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mast-cell-tryptase-tpsb2-antibody-immunohistochemistry-western-blot-elisa/282831>