

Datasheet for ABIN7271018  
**anti-TPSB2 antibody (AA 1-275)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	TPSB2
Binding Specificity:	AA 1-275
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPSB2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Mast Cell Tryptase (TPSB2) Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-275 of human Mast Cell Tryptase (Mast Cell Tryptase (TPSB2)) (NP_077078.5).
Sequence:	MLNLLLLALP VLASRAYAAP APGQALQRVG IVGGQEAPRS KWPWQVSLRV RDRYWMHFCG GSLIHPQWVL TAAHCVGPDV KDLAALRVQL REQHLYYQDQ LLPVSRIIVH PQFYTAQIGA DIALLELEEP VNVSSHVHTV TLPPASETFP PGMPCWVTGW GDVDNDERLP PPFPLKQVKV PIMENHICDA KYHLGAYTGD DVRIVRDDML CAGNTRRDSC QGDSGGPLVC KVNGTWLQAG VVSWGEGCAQ PNRPGIYTRV TYYLDWIIHHY VPKKP
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

Purification: Affinity purification

## Target Details

Target: TPSB2

Alternative Name: TPSB2 ([TPSB2 Products](#))

Background: 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.,TPSB2,TPS2,tryptaseB,tryptaseC,Cell Biology & Developmental Biology,Ubiquitin,Immunology & Inflammation,Cell Intrinsic Innate Immunity Signaling Pathway,TPSB2

Molecular Weight: 30kDa

Gene ID: 64499

UniProt: [P20231](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

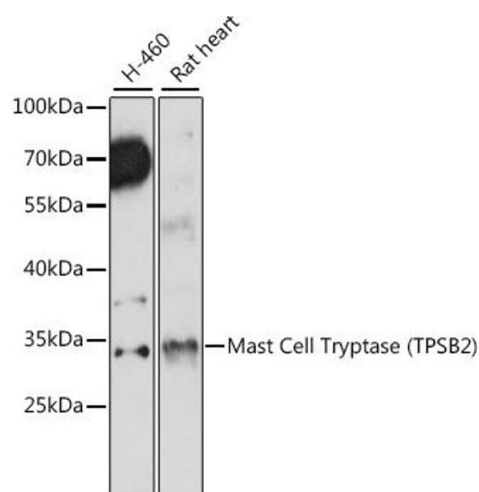
Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using Mast Cell Tryptase (Mast Cell Tryptase (TPSB2)) antibody (ABIN7271018) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.