

Datasheet for ABIN3029273  
**anti-TPSAB1 antibody (AA 249-275)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	0.4 mL
Target:	TPSAB1
Binding Specificity:	AA 249-275
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPSAB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 249-275 from the human protein was used as the immunogen for this TPSAB1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Human
Purification:	Antigen affinity purified

## Target Details

Target:	TPSAB1
Alternative Name:	TPSAB1 ( <a href="#">TPSAB1 Products</a> )
Background:	Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases

## Target Details

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, alpha and beta 1. 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.

UniProt: [Q15661](#)

## Application Details

Application Notes: Titration of the TPSAB1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

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: Aliquot the TPSAB1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

**Image 1.** TPSAB1 antibody western blot analysis in mouse liver tissue lysate.

Western Blotting

**Image 2.** TPSAB1 antibody western blot analysis in mouse liver tissue lysate.