

Datasheet for ABIN651632
anti-TPSAB1 antibody (AA 61-87)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	TPSAB1
Binding Specificity:	AA 61-87
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPSAB1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This TPSAB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-87 amino acids from the Central region of human TPSAB1.
Clone:	RB19907
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TPSAB1
Alternative Name:	TPSAB1 (TPSAB1 Products)
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.

Molecular Weight:	30515
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Gene ID:	7177
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NCBI Accession:	NP_003285
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UniProt:	Q15661
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Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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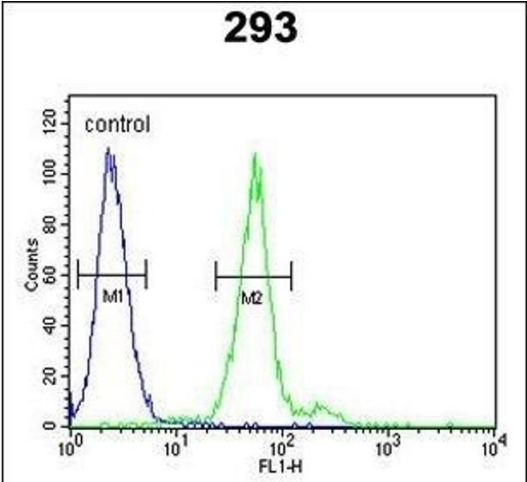
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C, -20 °C
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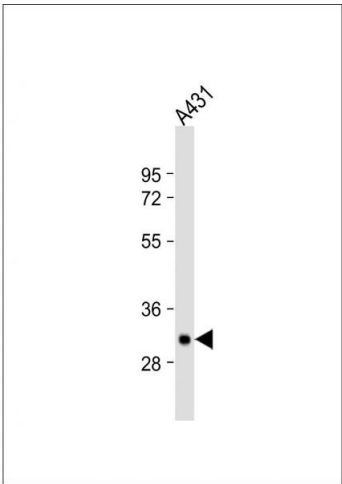
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
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Expiry Date:	6 months
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Flow Cytometry

Image 1. TPSAB1 Antibody (Center) (ABIN651632 and ABIN2850540) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Anti-TPSAB1 Antibody (Center) at 1:1000 dilution + A431 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.