

Datasheet for ABIN654457
anti-TPSD1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	TPSD1
Binding Specificity:	AA 164-193, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPSD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TPSD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-193 amino acids from the C-terminal region of human TPSD1.
Clone:	RB24357
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TPSD1
Alternative Name:	TPSD1 (TPSD1 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. Although this gene may be an exception, most of the tryptase 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. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. TPSD1 was once considered to be a pseudogene, although it is now believed to be a functional gene that encodes a protein.

Molecular Weight: 26584

Gene ID: 23430

NCBI Accession: [NP_036349](#)

UniProt: [Q9BZJ3](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

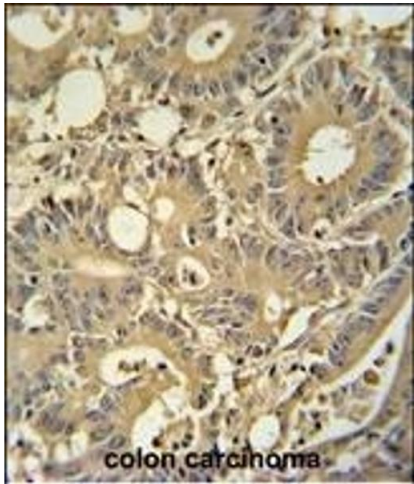
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

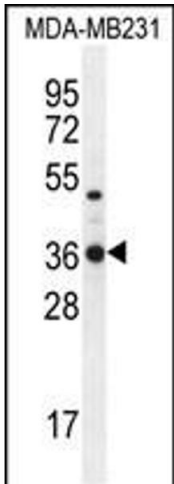
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. TPSD1 antibody (C-term) (ABIN654457 and ABIN2844191) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TPSD1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. TPSD1 Antibody (C-term) (ABIN654457 and ABIN2844191) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the TPSD1 antibody detected the TPSD1 protein (arrow).