

AP54348PU-N**Polyclonal Antibody to TPSD1 (C-term) - Aff - Purified**

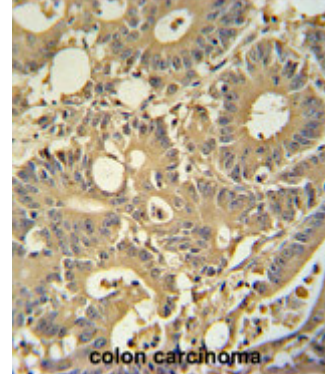
Alternate names:	Tryptase delta
Quantity:	0.4 ml
Concentration:	lot specific
Background:	<p>Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase 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. 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.</p>
Uniprot ID:	Q9BZ13
NCBI:	NP_036349
GeneID:	23430
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 171-201 amino acids from the C-terminal region of human TPSD1
Format:	State: Liquid Ig fraction Purification: Protein A column followed by peptide affinity purification Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1:1;000. Western blot: 1:100~500. Immunohistochemistry on paraffin sections: 1:50~100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects TPSD1 (C-term).
Species Reactivity:	Tested: Human
Add. Information:	Molecular Weight: 26584 Da
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Jackson, N.E., et al. J. Biol. Chem. 283(49):34178-34187(2008).
2. Caughey, G.H. J. Allergy Clin. Immunol. 117(6):1411-1414(2006).
3. Wang, H.W., et al. J. Immunol. 169(9):5145-5152(2002).
4. Caughey, G.H. Mol. Immunol. 38 (16-18), 1353-1357 (2002).
5. Soto, D., et al. Clin. Exp. Allergy 32(7):1000-1006(2002).

Pictures:

TPSD1 antibody (C-term) (AP54348PU-N) 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.



TPSD1 Antibody (C-term) (AP54348PU-N) western blot analysis in MDA-MB231 cell line lysates (35 µg/lane). This demonstrates the TPSD1 antibody detected the TPSD1 protein (arrow).

