

Product Name: TPSAB1 Mouse Monoclonal Antibody
Catalog #: AMM82945



Summary

Production Name	TPSAB1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,FC,ELISA
Reactivity	Human, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	TPSAB1
Alternative Names	TPS1; TPS2; TPSB1; TPSB2; Tryptase-2
Gene ID	7177.0
SwissProt ID	Q15661.Purified recombinant fragment of human TPSAB1 (AA: 31-275) expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	30.5kDa

Background

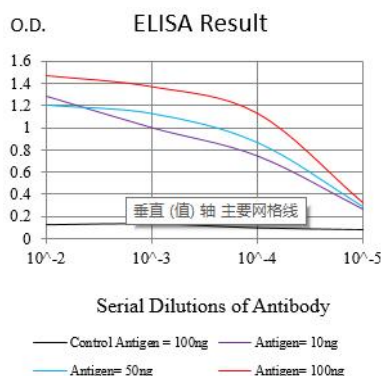
Product Name: TPSAB1 Mouse Monoclonal Antibody
Catalog #: AMM82945



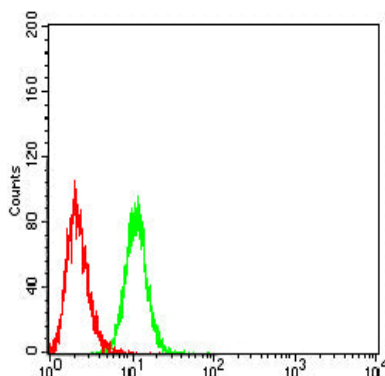
Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes 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, 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.

Research Area

Image Data

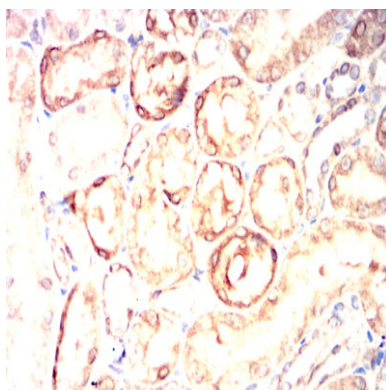


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

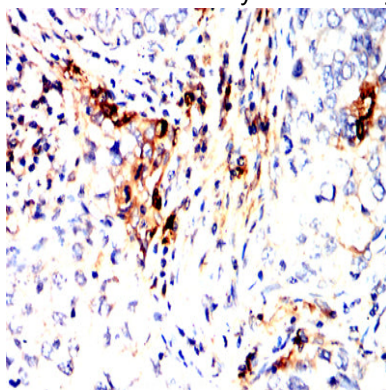


Flow cytometric analysis of HepG2 cells using TPSAB1 mouse mAb (green) and negative control (red).

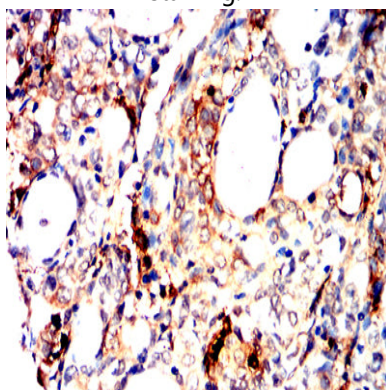
Product Name: TPSAB1 Mouse Monoclonal Antibody
Catalog #: AMM82945



Immunohistochemical analysis of paraffin-embedded rat kidney tissues using TPSAB1 mouse mAb with DAB staining.

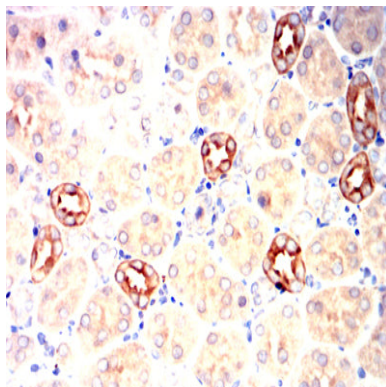


Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using TPSAB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using TPSAB1 mouse mAb with DAB staining.

Product Name: TPSAB1 Mouse Monoclonal Antibody
Catalog #: AMM82945



Immunohistochemical analysis of paraffin-embedded rabbit kidney tissues using TPSAB1 mouse mAb with DAB staining.

Note

For research use only.