

产品名称: TPSAB1 Mouse Monoclonal Antibody
产品货号: AMM82952



产品概述 (Summary)

产品名称 (Production Name)	TPSAB1 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	30.5kDa

研究背景 (Background)

Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only

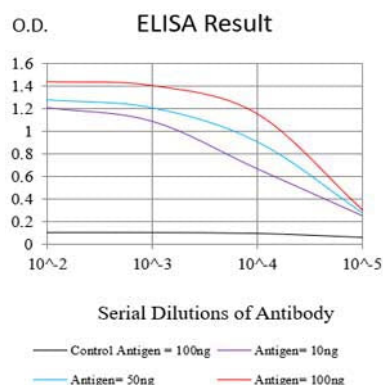
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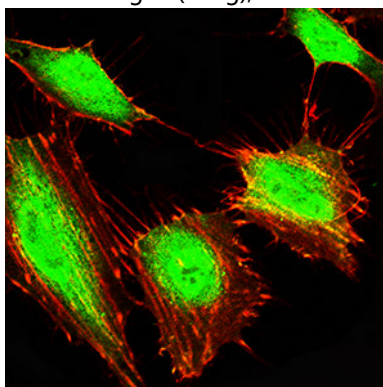
as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They have a highly conserved 3' UTR and contain tandem repeat sequences at the 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.

研究领域 (Research Area)

图片 (Image Data)

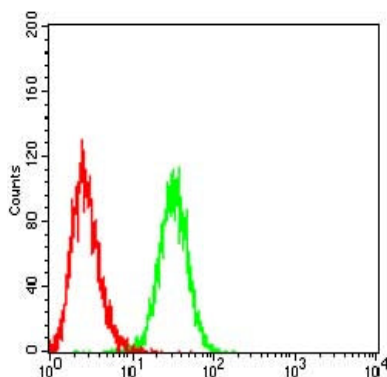


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

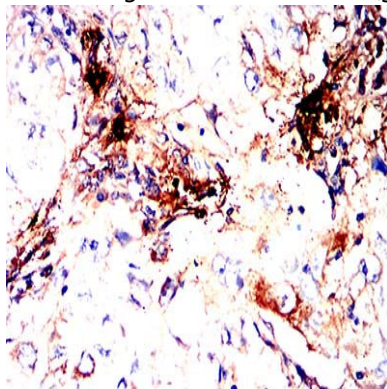


Immunofluorescence analysis of HeLa cells using TPSAB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

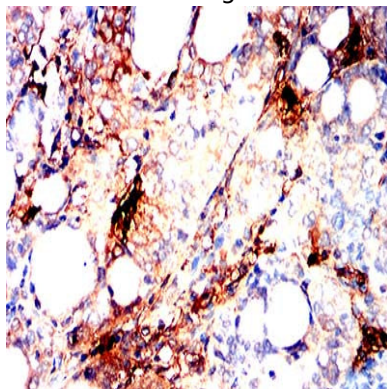
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Flow cytometric analysis of HepG2 cells using TPSAB1 mouse mAb (green) and negative control (red).

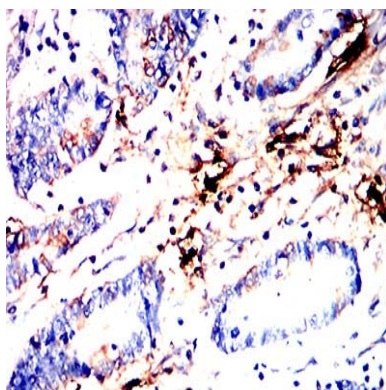


Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using TPSAB1 mouse mAb with DAB staining.

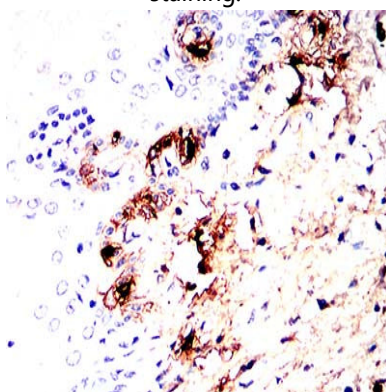


Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using TPSAB1 mouse mAb with DAB staining.

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



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

注意事项 (Note)

For research use only .