TPSAB1 monoclonal antibody

Catalog: MB66079 Host: Mouse Reactivity: Human

BackGround:

Tryptase is the most abundant neutral serine protease expressed in the secretory granules of all human mast cells. Tryptase is secreted upon the coupled activation-degranulation response of mast cells in peripheral tissues to physical factors such as trauma, toxins, venoms, endogenous mediators, and immune mechanisms (IgE-dependent and IgE-independent). Tryptase has distinct enzymatic functions that depend on the monomeric or homotetrameric state of this protein, the pH of the environment, and the presence or absence of heparin. Tryptase has the ability to cleave extracellular substrates such as vasoactive intestinal peptides, calcitonin gene-related peptides, fibronectins, fibrinogens, and kininogens. Tryptase is also a potent growth factor for epithelial cells, airway smooth muscle cells, and fibroblasts.

Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 30 kDa

Swiss-Prot:

Q15661

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC (1/100 - 1/300)

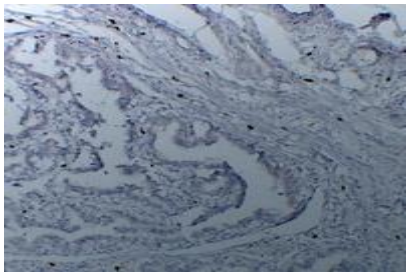
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

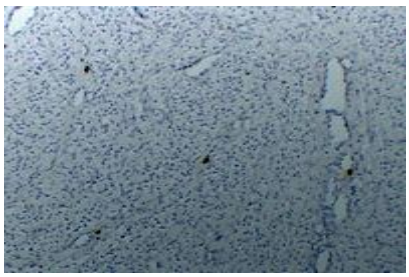
Specificity:

Recognizes endogenous levels of TPSAB1 protein.

DATA:



Immunohistochemical analysis of TPSAB1 staining in human fallopian tube formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of TPSAB1 staining in human liomyoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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Immunohistochemical analysis of TPSAB1 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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