

TPSG1 Rabbit pAb

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Catalog # AP54935

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NRR2
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33817
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TPSG1
Epitope Specificity	38-130/321
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. There is uncertainty regarding the number of genes in this cluster. Currently four functional genes - alpha I, beta I, beta II and gamma I - have been identified. And beta I has an allelic variant named alpha II, beta II has an allelic variant beta III, also gamma I has an allelic variant gamma II. Beta tryptases appear to be the main isoenzymes expressed in mast cells; whereas in basophils, alpha-tryptases predominant. This gene differs from other members of the tryptase gene family in that it has C-terminal hydrophobic domain, which may serve as a membrane anchor. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	25823
Other Names	Tryptase gamma, 3.4.21.-, Serine protease 31, Transmembrane tryptase, Tryptase gamma light chain, Tryptase gamma heavy chain, TPSG1 (HGNC:14134), PRSS31, TMT
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TPSG1 (HGNC:14134)
Synonyms	PRSS31, TMT
Cellular Location	Membrane; Single-pass membrane protein
Tissue Location	Expressed in many tissues.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.