10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Tryptase alpha/beta Antibody

Catalog # AP61618

Product Information

Application	IHC
Primary Accession	Q15661
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	30515

Additional Information

Gene ID	7177
Other Names	TPS1; TPS2; TPSB1; Tryptase alpha/beta-1; Tryptase-1; Tryptase I; Tryptase alpha-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Tryptase alpha/beta. The exact sequence is proprietary.
Dilution	IHC~~1:100~500
Format	Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	TPSAB1
Synonyms	TPS1, TPS2, TPSB1
Function	Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. May play a role in innate immunity. Isoform 2 cleaves large substrates, such as fibronectin, more efficiently than isoform 1, but seems less efficient toward small substrates (PubMed:18854315).
Cellular Location	Secreted. Note=Released from the secretory granules upon mast cell activation.
Tissue Location	Isoform 1 and isoform 2 are expressed in lung, stomach, spleen, heart and skin; in these tissues, isoform 1 is predominant. Isoform 2 is expressed in aorta, spleen, and breast tumor, with highest levels in the endothelial cells of some blood vessels surrounding the aorta, as well as those surrounding the

tumor and low levels, if any, in mast cells (at protein level)

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