

Tryptase
Mouse Monoclonal Antibody (Mab)
Catalog # APA134**Specification**

Tryptase - Product Information

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

Tryptase - Additional Information

Gene ID	7177
Gene Name	TPSAB1
Other Names	
Tryptase alpha/beta-1, Tryptase-1, 3.4.21.59, Tryptase I, Tryptase alpha-1, TPSAB1, TPS1, TPS2, TPSB1	

Dilution

IHC~~1:100~500

Storage**Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.****Precautions****Tryptase is for research use only and not for use in diagnostic or therapeutic procedures.****Tryptase - 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)

Tryptase - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Tryptase - Images