

Product Name: Tryptase-3 Rabbit Polyclonal Antibody
Catalog #: APRab19346



Summary

Production Name	Tryptase-3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TPSD1
Alternative Names	Tryptase delta (EC 3.4.21.59) (Delta-tryptase) (HmMCP-3-like tryptase III) (Mast cell mMCP-7-like) (Tryptase-3)
Gene ID	23430.0
SwissProt ID	Q9BZJ3.Synthesized peptide derived from Tryptase-3 at AA range: 51-100

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:10000-20000
Molecular Weight	26kDa

Background

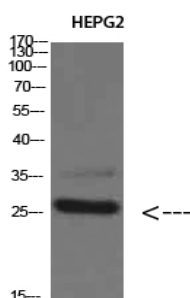
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tryptase delta 1(TPSD1) Homo sapiens Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. 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. Although this gene may be an exception, most of the tryptase 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. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and catalytic activity: Preferential cleavage: Arg-Xaa, Lys-Xaa, but with more restricted specificity than trypsin., caution: Although PubMed:11174199 reported this as a pseudogene, PubMed:12391231 showed it is expressed and has proteolytic activity when expressed in bacterial cells., function: Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type., similarity: Belongs to the peptidase S1 family. Tryptase subfamily., similarity: Contains 1 peptidase S1 domain., subcellular location: Released from the secretory granules upon mast cell activation., subunit: Homotetramer., tissue specificity: Expressed in colon, lung, heart and synovial tissue. May be specific to mast cells.,

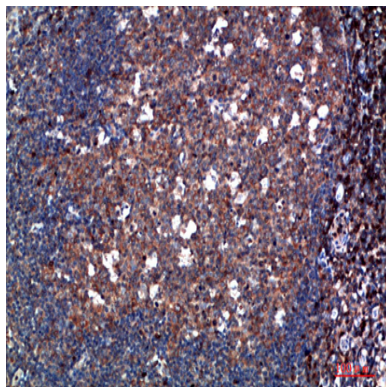
Research Area

Image Data

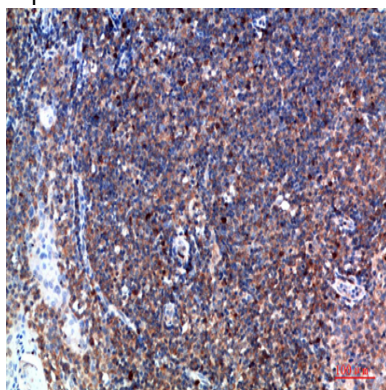


Western Blot analysis of HEPG2 cells using Tryptase-3 Polyclonal Antibody diluted at 1:800. Secondary antibody was diluted at 1:20000

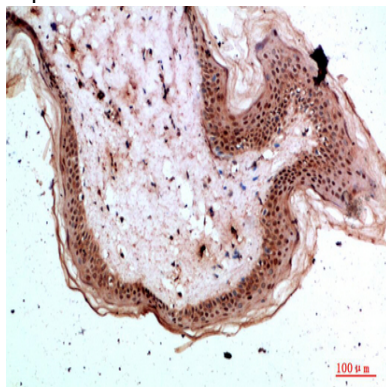
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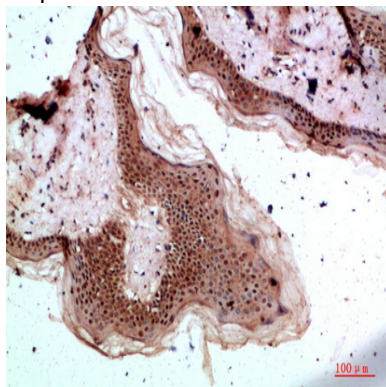
Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:200



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Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:200

Note

For research use only.