

# Immunotag™ TRYB1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN3027
Product Description	Immunotag™ TRYB1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TRYB1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TRYB1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	TPSAB1 TPS1 TPS2 TPSB1
Accession No.	Q15661 Q02844 P27435

## Antibody Specification

Description	tryptase alpha/beta 1(TPSAB1) 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. These 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. The alleles of this gene exhibit an unusual amount of sequence variation, such that the alleles were once thought to represent two separate gene
Protein Expression	Brain,Liver,Lung,Pooled tissue,
Subcellular Localization	extracellular region,extracellular space,extracellular matrix,
Protein Function	catalytic activity:Preferential cleavage: Arg- -Xaa, Lys- -Xaa, but with more restricted specificity than trypsin.,function:Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type.,function:Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. Has an immunoprotective role during bacterial infection. Required to efficiently combat K.pneumoniae infection.,polymorphism:There are two alleles; beta-II and beta-III which differ by 3 residues.,similarity:Belongs to the peptidase S1 family.,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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.