

# Immunotag™ Granuphilin Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2047
Product Description	Immunotag™ Granuphilin 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	Granuphilin
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Granuphilin, at AA range: 350-430
Specificity	Granuphilin Polyclonal Antibody detects endogenous levels of Granuphilin protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SYTL4
Accession No.	Q96C24 Q9R0Q1 Q8VHQ7
Alternate Names	SYTL4; Synaptotagmin-like protein 4; Exophilin-2; Granuphilin

## Antibody Specification

Description	synaptotagmin like 4(SYTL4) Homo sapiens This gene encodes a member of the synaptotagmin like protein family. Members of this family are characterized by an N-terminal Rab27 binding domain and C-terminal tandem C2 domains. The encoded protein binds specific small Rab GTPases and is involved in intracellular membrane trafficking. This protein binds Rab27 and may be involved in inhibiting dense core vesicle exocytosis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Mar 2010],
Protein Expression	Adrenal gland,Endometrium,Epithelium,Platelet,Spinal cord,Testis,Uterus,
Subcellular Localization	intracellular,nucleoplasm,cytoplasm,endosome,centrosome,plasma membrane,membrane,extrinsic component of membrane,secretory granule,transport vesicle membrane,exocytic vesicle,presynapse,
Protein Function	function:Modulates exocytosis of dense-core granules and secretion of hormones in the pancreas and the pituitary. Interacts with vesicles containing negatively charged phospholipids in a Ca(2+)-independent manner.,similarity:Contains 1 FYVE-type zinc finger.,similarity:Contains 1 RabBD (Rab-binding) domain.,similarity:Contains 2 C2 domains.,subcellular location:Detected close to the plasma membrane and on secretory granules. In pancreas, interacts with insulin-containing vesicles.,subunit:Part of a ternary complex containing STX1A and RAB27A. Can bind both dominant negative and dominant active mutants of RAB27A. Binds STXBP1, RAB3A, RAB8A and RAB27B.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.