

Immunotag™ Rab 1B Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3921
Product Description	Immunotag™ Rab 1B 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	Rab 1B
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Rab 1B, at AA range: 50-130
Specificity	Rab 1B Polyclonal Antibody detects endogenous levels of Rab 1B 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	RAB1B
Accession No.	Q9H0U4 Q9D1G1 P10536
Alternate Names	RAB1B; Ras-related protein Rab-1B

Antibody Specification

Description	RAB1B, member RAS oncogene family(RAB1B) Homo sapiens Members of the RAB protein family, such as RAB1B, are low molecular mass monomeric GTPases localized on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB1B functions in the early secretory pathway and is essential for vesicle transport between the endoplasmic reticulum (ER) and Golgi (Chen et al., 1997 [PubMed 9030196]; Alvarez et al., 2003 [PubMed 12802079]).[supplied by OMIM, Jan 2009],
Protein Expression	B-cell lymphoma,Brain,Muscle,Pancreas,
Subcellular Localization	Golgi membrane,intracellular,mitochondrion,endoplasmic reticulum membrane,Golgi apparatus,transport vesicle,endoplasmic reticulum-Golgi intermediate compartment membrane,pre-autophagosomal structure membrane,extracellular exosome,
Protein Function	function:Protein transport. Regulates vesicular transport between the endoplasmic reticulum and successive Golgi compartments.,miscellaneous:Rab-1B binds GTP and GDP and possesses intrinsic GTPase activity.,PTM:Prenylated; by GGTase II, only after interaction of the substrate with Rab escort protein 1 (REP1).,similarity:Belongs to the small GTPase superfamily. Rab family.,subcellular location:Targeted by REP1 to membranes of specific subcellular compartments including endoplasmic reticulum, Golgi apparatus, and intermediate vesicles between these two compartments. In the GDP-form, colocalizes with GDI in the cytoplasm.,subunit:Interacts with MICAL1, MICAL2 and MICAL3. Interacts with GDI1; the interaction requires the GDP-bound state. Interacts with CHM/REP1; the interaction requires the GDP-bound form and is necessary for prenylation by GGTase II.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.