

Immunotag™ Rab 6A Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3937
Product Description	Immunotag™ Rab 6A 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 6A
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Rab 6A, at AA range: 90-170
Specificity	Rab 6A Polyclonal Antibody detects endogenous levels of Rab 6A 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	RAB6A
Accession No.	P20340 P35279 Q9WVB1
Alternate Names	RAB6A; RAB6; Ras-related protein Rab-6A; Rab-6

Antibody Specification

Description	RAB6A, member RAS oncogene family(RAB6A) Homo sapiens This gene encodes a member of the RAB family, which belongs to the small GTPase superfamily. GTPases of the RAB family bind to various effectors to regulate the targeting and fusion of transport carriers to acceptor compartments. This protein is located at the Golgi apparatus, which regulates trafficking in both a retrograde (from early endosomes and Golgi to the endoplasmic reticulum) and an anterograde (from the Golgi to the plasma membrane) directions. Myosin II is an effector of this protein in these processes. This protein is also involved in assembly of human cytomegalovirus (HCMV) by interacting with the cellular protein Bicaudal D1, which interacts with the HCMV virion tegument protein, pp150. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011],
Protein Expression	Brain,Colon carcinoma,Heart,Kidney,Pancreatic tumor,Placenta,Platel
Subcellular Localization	Golgi membrane,intracellular,endoplasmic reticulum membrane,Golgi apparatus,trans-Golgi network,cytosol,membrane,cytoplasmic vesicle,trans-Golgi network membrane,extracellular exosome,endosome to plasma membrane transport v
Protein Function	function:Protein transport. Regulator of membrane traffic from the Golgi apparatus towards the endoplasmic reticulum (ER). Has a low GTPase activity.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the small GTPase superfamily. Rab family.,subunit:Interacts with SCYL1BP1. Interacts with VSP52 and RABGAP1. Isoform 1 interacts with RAB6KIFL but not isoform 2. Isoforms 1 and 2 interact with BICD1 and BICD2. Interacts with TMF1.,tissue specificity:Ubiquitous.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.