

Immunotag™ RAB1A Antibody

Antibody Specification	
Catalog No.	ITA9557
Product Description	Immunotag™ RAB1A Antibody
Size	100 µg, 200 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	RAB1A
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human RAB1A
Specificity	RAB1A Antibody detects endogenous levels of total RAB1A
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RAB1A
Accession No.	P62820
Alternate Names	GTP binding protein RAB 1A; mKIAA3012; RAB 1; Rab 1A; RAB1; RAB1, member RAS oncogene family; Rab1A; RAB1A member RAS oncogene family; RAB1A_HUMAN; Ras related protein Rab 1A; Ras-associated protein RAB1; Ras-related protein Rab-1A; YPT1; YPT1 related protein; YPT1-related protein;

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Description	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB1A regulates vesicular protein transport from the endoplasmic reticulum (ER) to the Golgi compartment and on to the cell surface, and plays a role in IL-8 and growth hormone secretion. Regulates the level of CASR present at the cell membrane. Plays a role in cell adhesion and cell migration, via its role in protein trafficking. Plays a role in autophagosome assembly and cellular defense reactions against pathogenic bacteria. Plays a role in microtubule-dependent protein transport by early endosomes and in anterograde melanosome transport.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	23 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.