

Product datasheet for **TA590173**

Rab9 (RAB9A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	WB: 1:5000-1:20000; ELISA: 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the C Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.99489 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	RAB9A, member RAS oncogene family
Database Link:	NP_004242 Entrez Gene 9367 Human P51151



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Background:

RAB proteins are GTPases that regulate vesicular trafficking and reside in specific intracellular compartments. RAB9 has been localized to components of the endocytic/exocytic pathway. It has been implicated in the recycling of membrane receptors, such as the mannose 6-phosphate receptor from early endosomes to the trans Golgi network. Rab proteins are a family of Ras-like GTPases involved in intracellular compartment protein transport. Different members of the 40+ member rab family are responsible for docking and fusion of transport vesicles between different compartments within the cell. Rab 9 is required for trafficking mannose 6-phosphate receptor between the late endosome to trans-Golgi network (TGN). By facilitating receptor transport, rab 9 enables cells to efficiently recycle important cellular trafficking components. It is functionally necessary for rab 9, like other rab family members, to be prenylated by two 20-carbon geranylgeranyl groups at the C-terminus. Most prenylated rab 9 is membrane bound, however, 10-20% of the cellular pool of rab 9 is bound to GDP dissociation inhibitor-alpha (GDI-alpha) in the cytosol. GDI recycles prenylated, GDP bound rab 9 from their fusion targets back to their membranes of origin.

Synonyms:

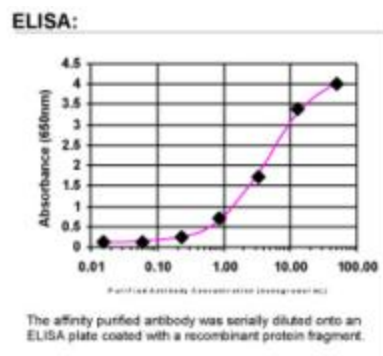
RAB9

Note:

This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). [Learn about GAT](#)

Protein Families:

Druggable Genome

Product images:


ELISA: RAB9A Antibody