

Rab9 Rabbit Monoclonal Antibody

Catalog #: EAB21352

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IP, IF/ICC	23	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IP (Immunoprecipitation)	1:10-100
IF/ICC (Immunofluorescence/Immunocytochemistry)	1:50-200

Product Information

Conjugate	Unconjugate
Specificity	Rab9 Rabbit Monoclonal Antibody detects endogenous levels of Rab9 protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	P51151
Entrez-Gene Id	9367

Product Description

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.

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