

RAB9B antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14027

Product Information

Application	WB
Primary Accession	Q9NP90
Other Accession	NM_016370 , NP_057454
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted Host	Human, Mouse, Rat, Chicken, Dog, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 22719

Additional Information

Gene ID	51209
Alias Symbol	RAB9L, Rab-9L
Other Names	Ras-related protein Rab-9B, Rab-9-like protein, Rab-9L, RAB9B, RAB9L
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-RAB9B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	RAB9B antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RAB9B (HGNC:14090)
Synonyms	RAB9L
Function	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 (By similarity). RAB9B is involved in the transport of proteins between the endosomes and the trans Golgi network (By similarity). May use NDE1/NDEL1 as an effector to interact with the dynein motor

complex in order to control retrograde trafficking of RAB9-associated late endosomes to the TGN (PubMed:[34793709](#)).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Recruited to phagosomes containing S.aureus or M.tuberculosis

Tissue Location

Ubiquitous..

References

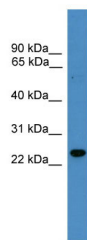
Seki N.,et al.J. Hum. Genet. 45:318-322(2000).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Ross M.T.,et al.Nature 434:325-337(2005).

Seto S.,et al.Traffic 12:407-420(2011).

Images



WB Suggested Anti-RAB9B Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: U937 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.