

RAB39B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57637

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96DA2
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24622

Additional Information

Gene ID	116442
Other Names	Ras-related protein Rab-39B, RAB39B
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RAB39B (HGNC:16499)
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 (PubMed: 27103069). RAB39B is involved in autophagy and may function in autophagosome formation (PubMed: 27103069 , PubMed: 37821429). Binds downstream effector PICK1 to ensure selectively GRIA2 exit from the endoplasmic reticulum to the Golgi and to regulate AMPAR composition at the post-synapses and thus synaptic transmission (By similarity). May regulate the homeostasis of SNCA/alpha-synuclein (By similarity).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus. Cytoplasmic vesicle, autophagosome membrane Autolysosome membrane. Note=Partial colocalization with markers that cycle from the cell surface to the trans-Golgi network. Colocalized with STX17 in autolysosomes in autophagy-induced

conditions, although less compared with RAB39A (PubMed:37821429).
{ECO:0000250|UniProtKB:Q8BHC1, ECO:0000269|PubMed:37821429}

Tissue Location

Highly expressed in the brain.

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