

RAB37 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57636

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96AX2
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24815

Additional Information

Gene ID	326624
Other Names	Ras-related protein Rab-37, RAB37
Dilution	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	RAB37 (HGNC:30268)
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: 38536817). Acts as an organizer for autophagosome biogenesis in a GTP-dependent manner (PubMed: 38536817). Involved in retinal homeostasis by autophagy regulation (PubMed: 38536817).
Cellular Location	Cytoplasmic vesicle {ECO:0000250 UniProtKB:Q9JKM7}. Cell projection, cilium {ECO:0000250 UniProtKB:Q9JKM7}. Note=Secretory granules. Located mainly in the connecting cilia between the outer segment and inner segment and also observed in the outer plexiform layer, inner plexiform layer, and ganglion cell layer of the retinas. {ECO:0000250 UniProtKB:Q9JKM7}