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RAB33B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57635

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9H082
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25718

Additional Information

Gene ID	83452
Other Names	Ras-related protein Rab-33B, RAB33B
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	RAB33B (HGNC:16075)
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed:20163571, PubMed:21808068). 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:18448665, PubMed:20163571, PubMed:21808068). RAB33B acts, in coordination with RAB6A, to regulate intra-Golgi retrograde trafficking (PubMed:20163571). Participates in autophagosome formation by recruiting the ATG12-ATG5-ATG16L1 complex to phagophores, probably in a nucleotide-independent manner (PubMed:18448665, PubMed:32960676).
Cellular Location	Golgi apparatus membrane; Lipid-anchor. Golgi apparatus, cis-Golgi network Preautophagosomal structure membrane Note=Under starvation conditions punctate RAB33B-positive structures are often observed in the cytoplasm (By similarity). Under starved conditions RAB33B translocates from the Golgi to phagophores; this translocation is driven by interaction with ATG16L1 (PubMed:32960676) {ECO:0000250|UniProtKB:O35963,

ECO:0000269|PubMed:32960676}

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