

KD-Validated Anti-Rab4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1628

Product Information

Application	WB, ICC
Primary Accession	P20338
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB825
Calculated MW	24390
Gene Name	RAB4A
Aliases	RAB4A, Member RAS Oncogene Family; HRES-1/RAB4; RAB4; Ras-Related Protein Rab-4A; HTLV-1 Related Endogenous Sequence; EC 3.6.5.2; HRES-1; HRES1
Immunogen	A synthesized peptide derived from human Rab4

Additional Information

Gene ID	5867
Other Names	Ras-related protein Rab-4A, 3.6.5.2, RAB4A (HGNC:9781), RAB4

Protein Information

Name	RAB4A (HGNC:9781)
Synonyms	RAB4
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: 15907487 , PubMed: 16034420). RAB4A is involved in protein transport (PubMed: 29425100). Also plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed: 29425100). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).
Cellular Location	Membrane; Peripheral membrane protein. Cytoplasm Early endosome membrane {ECO:0000250 UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250 UniProtKB:P05714}. Recycling endosome membrane {ECO:0000250 UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250 UniProtKB:P05714}. Note=Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1

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