

Recombinant Human Ras-related protein Rab-8A(RAB8A),partial

Catalog No: #AP74068

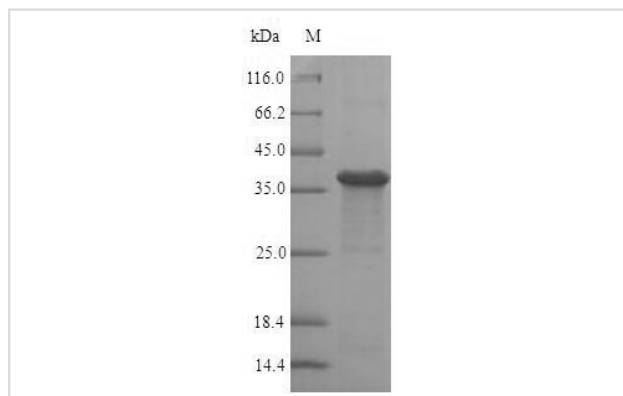
Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP74068-1 20ug #AP74068-2 100ug

Description

Product Name	Recombinant Human Ras-related protein Rab-8A(RAB8A),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:3-193aaSequence Info:Partial
Other Names	Oncogene c-mel
Accession No.	P61006
Uniprot	P61006
GeneID	4218;
Calculated MW	37.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	KTYDYLFKLLIGDSGVGKTCVLF RFSEDAFNSTFISTIGIDFKIRTIELDGKRIKLQIWDTAGQERFRTITTAYYR GAMGIMLVYDITNEKSFNIRNWIRNIEEHASADVEKMILGNKCDVNDKRQVSKERGEKLALDYGIKFMETSAK ANINVENAFTLARDIAKMDKKLEGNSPQGSNQGVKITP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

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. That Rab is involved in polarized vesicular trafficking and neurotransmitter release. Together with RAB11A, RAB3IP, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B and RAB11A participates in epithelial cell polarization. Plays an important role in ciliogenesis. Together with MICALL2, may also regulate adherens junction assembly. May play a role in insulin-induced transport to the plasma membrane of the glucose transporter GLUT4 and therefore play a role in glucose homeostasis.

References

"The MEL gene: a new member of the RAB,YPT class of RAS-related genes."Nimmo E.R., Sanders P.G., Padua R.A., Hughes D., Williamson R., Johnson K.J.Oncogene 6:1347-1351(1991) Research Topic:Signal Transduction

Note: This product is for in vitro research use only