Datasheet for ABIN5710201

RAB11A Protein (AA 2-213) (His-SUMO Tag)

Go to Product page

1 Image

Overview

Quantity:	100 µg
Target:	RAB11A
Protein Characteristics:	AA 2-213
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAB11A protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	GTRDDEYDYL FKVVLIGDSG VGKSNLLSRF TRNEFNLESK STIGVEFATR SIQVDGKTIK AQIWDTAGQE RYRAITSAYY RGAVGALLVY DIAKHLTYEN VERWLKELRD HADSNIVIML VGNKSDLRHL RAVPTDEARA FAEKNGLSFI ETSALDSTNV EAAFQTILTE IYRIVSQKQM SDRRENDMSP SNNVVPIHVP PTTENKPKVQ CC
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	RAB11A
Alternative Name:	RB11A (RAB11A Products)
Background:	The small GTPases Rab are key regulators of intracellular mbrane trafficking, from the

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Target Details

	formation of transport vesicles to their fusion with mbranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to mbranes different set of downstream effectors directly responsible for vesicle formation, movent, tethering and fusion. That Rab regulates endocytic recycling. Acts as a major regulator of mbrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical mbrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B participates in CFTR trafficking to the plasma mbrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma mbrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma mbrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral mbranes. May also play a role in melanosome transport and release from melanocytes.
Molecular Weight:	39.89 kDa
UniProt:	P62491
Pathways:	Regulation of Cell Size, Thromboxane A2 Receptor Signaling, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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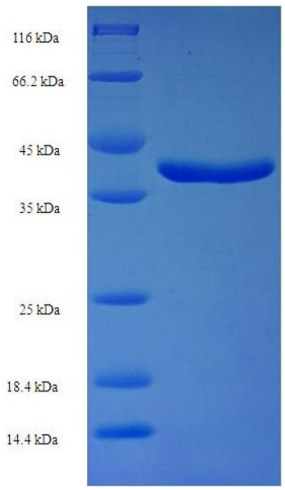

SDS-PAGE

Image 1.

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