abcam

Product datasheet

Recombinant Human Rab5b protein ab104545

1图像

描述

产品名称 重组人Rab5b蛋白

纯**度** > 90 % SDS-PAGE.

ab104545 is purified using conventional chromatography techniques.

表达系统 Escherichia coli

Accession P61020

蛋白长度 Full length protein

无动物成分 No

性质 Recombinant

种属 Human

序列 MGSSHHHHHHSSGLVPRGSHMGSMTSRSTARPNGQPQASK

ICQFKLVLLG

ESAVGKSSLVLRFVKGQFHEYQESTIGAAFLTQSVCLDDTTV

KFEIWDTA

GQERYHSLAPMYYRGAQAAIVVYDITNQETFARAKTWVKELQ

RQASPSIV

IALAGNKADLANKRMVEYEEAQAYADDNSLLFMETSAKTAMN

VNDLFLAI

AKKLPKSEPQNLGGAAGRSRGVDLHEQSQQNKSQCCSN

预测分子量 26 kDa including tags

氨基酸 1 to 215

标签 His tag N-Terminus

技术指标

Our Abpromise guarantee covers the use of ab104545 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 SDS-PAGE

Mass Spectrometry

质**谱法** MALDI-TOF

形式 Liquid

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

常规信息

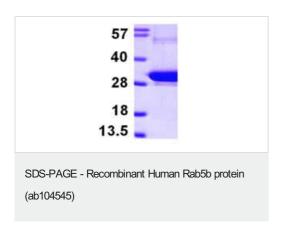
相关性

Rab5b is a member of the Rab family of small (monomeric) G proteins. Like other small G proteins, Rab5b switches between an inactive, GDP-form and an active, GTP-bound form. GDP/GTP exchange factors (GEFs) catalyse the conversion from the GDP-bound form to the GTP-bound form, while GTPase-activating proteins (GAPs) catalyse GTP hydrolysis to GDP. Rab5b is involved in endocytosis and recycling of cell surface molecules. It interacts with RIN2 and RIN3, which regulate its function, possibly by acting as GEFs. Knockdown of Rab5b abolished group I metabotropic glutamate receptor (mGluR)-mediated neuroprotection. Furthermore, Rab5b interacts with LRRK2, the defective gene at the PARK8 locus that results in Parkinson's disease. Roles for Rab5b in neurodegenerative disease, neuroprotection, and synaptic plasticity have been suggested.

细胞定位

Cell Membrane, Endosome

图片



15% SDS-PAGE analysis of 3µg ab104545.

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