

小鼠抗 ras 癌基因家族 Rab8 蛋白单克隆抗体

产品货号： mIR51077

英文名称： RAB8A

中文名称： 小鼠抗 ras 癌基因家族 Rab8 蛋白单克隆抗体

别名： MEL; Mel transforming oncogene; Oncogene c mel; Oncogene c-mel; RAB8; RAB8A; RAB8A member RAS oncogene family; RAB8A_HUMAN; Ras associated protein RAB8; Ras related protein Rab 8A; Ras-related protein Rab-8A.

研究领域： 肿瘤 细胞生物 神经生物学 信号转导

抗体来源： Mouse

克隆类型： Monoclonal

克隆号： 8A4

交叉反应： Human, Mouse,

产品应用： WB=1:100-200 ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 23kDa

细胞定位 : 细胞浆 细胞膜

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : Recombinant RAB8A protein:

亚 型 : IgG1,k

纯化方法 : affinity purified by Protein G

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. 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.

PubMed : PubMed

产品介绍 : The protein encoded by this gene is a member of the RAS superfamily which are small GTP/GDP-binding proteins with an average size of 200 amino acids. The RAS-related proteins of the RAB/YPT family may play a role in the transport of proteins from the endoplasmic reticulum to the Golgi and the plasma membrane. This protein shares 97%, 96%, and 51% similarity with the dog RAB8, mouse MEL, and mouse YPT1 proteins, respectively and contains the 4 GTP/GDP-binding sites that are present in all the RAS proteins. The putative effector-binding site of this protein is similar to that of the RAB/YPT proteins. However, this protein contains a C-terminal CAAX motif that is characteristic of many RAS superfamily members but which is not found in YPT1 and the majority of RAB proteins. Although this gene was isolated as a transforming gene from a melanoma cell line, no linkage between MEL and malignant melanoma has been demonstrable. This oncogene is located 800 kb distal to MY09B on chromosome 19p13.1.

Function:

May be involved in 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.

Subunit:

Interacts with MAP4K2 and SYTL4. Interacts with SGSM1 and SGSM3 (By similarity). Interacts with OPTN. Interacts with RAB3IP. Interacts with MYO5B. Interacts with PIFO. Interacts with BIRC6/bruce. Interacts with OCRL.

Subcellular Location:

Cell membrane; Lipid-anchor; Cytoplasmic side (Potential). Golgi apparatus. Cytoplasm, perinuclear region. Cell projection. Note=Colocalizes with OPTN at the Golgi complex and in vesicular structures close to the plasma membrane. In the GDP-bound form, present in the perinuclear region. Shows a polarized distribution to distal regions of cell protrusions in the GTP-bound form. Colocalizes with PARD3, PRKCI, EXOC5, OCLN, PODXL and RAB11A in apical membrane initiation sites (AMIS) during the generation of apical surface and lumenogenesis.

Similarity:

Belongs to the small GTPase superfamily. Rab family.

SWISS:

P61006

Gene ID:

4218

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.