

原癌基因相关蛋白 **RAP2B** 抗体

产品货号： mIR2330

英文名称： RAP2B

中文名称： 原癌基因相关蛋白 RAP2B 抗体

别 名： RAP 2B; RAP2B member of RAS oncogene family; Ras family small GTP binding protein RAP2B; Ras related protein RAP 2B; Ras related protein RAP2B ; Small GTP binding protein.RAP2B_HUMAN

研究领域： 肿瘤 免疫学 转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

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

分 子 量： 20kDa

细胞定位： 细胞浆 细胞膜

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human RAP2B:51-150/183

亚 型： IgG

纯化方法： affinity purified by Protein A

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： RAP2B belongs to a family of RAS-related GTP-binding proteins. RAP proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. However, at their 61st amino acid the glutamine in RAS proteins is replaced by threonine in RAP proteins. RAP2A interacts with phospholipase C, epsilon 1 (PLCE1).

Function:

Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May regulate membrane vesiculation in red blood cells.

Subunit:

Interacts with PLCE1. Interacts with SGSM1, SGSM2 and SGSM3. The GTP-bound form of RAP2B interacts with RUNDC3A

Subcellular Location:

Recycling endosome membrane; Lipid-anchor; Cytoplasmic side. Note=Associated with red blood cells-released vesicles

Tissue Specificity:

Expressed in red blood cells

Post-translational modifications:

Palmitoylated. Palmitoylation is required for association with recycling endosome membranes and activation of TNIK

Similarity:

Belongs to the small GTPase superfamily. Ras family.

SWISS:

P61225

Gene ID:

5912

Important Note:

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