RUSC1 抗体

产品货号： mlR13677

英文名称： RUSC1

中文名称： RUSC1 抗体

别　　名： DKFZp761A1822; Nesca; New molecule containing SH3 at the carboxy terminus; RUN and SH3 domain containing 1; RUN and SH3 domain containing protein 1; RUSC 1.

研究领域： 细胞生物　神经生物学　信号转导　细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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： 96kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human RUSC1:281-380/902

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 ℃ 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℃. 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 ℃.

PubMed： PubMed

产品介绍： RUSC1 is a 902 amino acid protein that contains a RUN domain and a SH3 domain. RUSC1's RUN domain is necessary for NGF induced nuclear redistribution. RUSC1 is a putative signaling adapter which may play a role in neuronal differentiation. RUSC1 seems to be involved in signaling pathways that are regulated by the prolonged activation of MAPK. RUSC2 (RUN and SH3 domain containing 2), also known as Iporin, is a 1,516 amino acid cytoplasmic protein that is widely expressed, with highest levels in brain and testis. The RUN domain of RUSC2 is required for interaction with Rab 1A, Rab 1B and GM130. It is thought that RUSC2 may possibly function as a connector between endoplasmic reticulum (ER) derived vesicle targets triggered by the Rab 1 GTPases and a signaling pathway regulated by molecules containing SH3 and/or poly-proline regions. RUSC2 also consists of a SH3 domain, suggesting a role in protein-protein interactions.

Function:

RUSC1 is a putative signaling adapter which may play a role in neuronal differentiation and may be involved in regulation of NGF-dependent neurite outgrowth. It seems to be involved in signaling pathways that are regulated by the prolonged activation of MAPK.

Subunit:

Interacts with IKBKG and TRAF6. Interacts with F-actin, acetylated actin, TUBB3, STX1A, KIF5B and KLC1 (By similarity).

Subcellular Location:

Cytoplasm. Nucleus. Note=Translocated to the nuclear envelope upon stimulation with NGF.

Tissue Specificity:

Predominantly expressed in brain.

Post-translational modifications:

Phosphorylated on serine residues following nuclear translocation.

Polyubiquitinated; polyubiquitination involves TRAF6.

Similarity:

Contains 1 RUN domain.

Contains 1 SH3 domain.

SWISS:

Q9BVN2

Gene ID:

23623

Important Note:

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

产品图片