

## 阅读障碍相关蛋白 Shootin 抗体

产品货号： mlR11863

英文名称： KIAA1598

中文名称： 阅读障碍相关蛋白 Shootin 抗体

别名： DKFZp686A0439; hypothetical protein FLJ111122; Kiaa1598; MGC40476; Putative uncharacterized protein KIAA1598; Shootin 1; Shootin-1; Shootin; SHOT1\_HUMAN.

研究领域： 细胞生物 神经生物学 细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： 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： 72kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human KIAA1598:21-130/631

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 : Shootin1 is a 631 amino acid protein that belongs to the shootin family. The shootin1 protein contains three coiled-coil domains, a proline-rich region and interacts with RUFY3. Shootin1 is involved in the generation of internal asymmetric signals required for neuronal polarization. The shootin1 protein acts upstream of PI3K (phosphoinositide 3-kinase), by being required for spatially localized PI3K activity. By accumulating asymmetrically in a single neurite before polarization, shootin1 leads to axon induction for polarization, additionally the absence of shootin1 from the nascent axon's siblings by competition prevents the formation of surplus axons. Existing as seven alternatively spliced isoforms, the shootin1 gene is conserved in chimpanzee, dog, mouse, rat, chicken and zebrafish, and maps to human chromosome 10q25.3.

**Function:**

Involved in the generation of internal asymmetric signals required for neuronal polarization. Acts upstream of PI3K (phosphoinositide 3-kinase), by being required for spatially localized PI3K activity. Accumulates asymmetrically in a single neurite before polarization, leading to axon induction for polarization, its absence from the nascent axon's siblings by competition preventing the formation of surplus axons.

**Subunit:**

Interacts with RUFY3

**Subcellular Location:**

Cell projection.

**Similarity:**

Belongs to the shootin family.

**SWISS:**

A0MZ66

**Gene ID:**

57698

**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

