



神经突出相关蛋白 Slitrk1 抗体

产品货号 : mlR6192

英文名称 : Slitrk1

中文名称 : 神经突出相关蛋白 Slitrk1 抗体

别 名 : SLITRK 1; KIAA0918; KIAA1910; Leucine rich repeat containing protein 12; SLITRK 1; LRRC1; SLIT and NTRK like family, member 1.

研究领域 : 神经生物学

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

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： 76kDa

细胞定位： 细胞膜 分泌型蛋白

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Slitrk1:21-120/696 <Extracellular>

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 background:

Slitrk1 is a member of a protein family consisting of six homologous transmembrane proteins (Slitrk1-6) that share two conserved leucine-rich repeat domains in the extracellular domain and have significant homology to Slit, a secreted axonal growth-controlling protein. These proteins are also homologous to trk neurotrophin receptors in their intracellular domains. Expression of Slitrk proteins is highly restricted to neural and brain tumor tissues, but varies within the family. For example, Slitrk1 is expressed primarily in mature neurons. Overexpression of Slitrk1 in transfected neuronal cells induced unipolar neurites, while expression of the other Slitrk proteins inhibited neurite outgrowth, suggesting that these proteins are involved in the control of neurite outgrowth. While Slitrk1 variants have been suggested associated with Tourette's Syndrome, it is thought to play only a minor role if at all.

Function:

Enhances neuronal dendrite outgrowth.

Subcellular Location:

Membrane; Single-pass type I membrane protein (Potential).

Tissue Specificity:

Expressed predominantly in the frontal lobe of the cerebral cortex of the brain. Also expressed in some astrocytic brain tumors such as astrocytomas, oligodendrogiomas, glioblastomas, gangliogliomas and primitive neuroectodermal tumors.

DISEASE:

Defects in SLTRK1 may be a cause of Gilles de la Tourette syndrome (GTS) [MIM:137580]. GTS is a neurologic disorder manifested particularly by motor and vocal tics and associated with behavioral abnormalities.

Defects in SLTRK1 may be a cause of trichotillomania (TTM) [MIM:613229]. It is a neuropsychiatric disorder characterized by chronic, repetitive, or compulsive hair pulling resulting in noticeable hair loss. Affected individuals may develop physical complications and often have overlapping psychologic disorders, such as Gilles de la Tourette syndrome or obsessive-compulsive disorder.



Similarity:

Belongs to the SLTRK family.

Contains 12 LRR (leucine-rich) repeats.

Contains 2 LRRCT domains.

Contains 2 LRRNT domains.

SWISS:

Q96PX8

Gene ID:

114798

Important Note:

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

Slitrk 基因编码一类跨膜蛋白,有 6 个家族成员,主要表达于神经系统,参与调节神经细胞突起生长。

产品图片 :

