

## 原钙粘附蛋白 $\alpha$ 1 抗体

产品货号： mlR111115

英文名称： PCDHA1

中文名称： 原钙粘附蛋白  $\alpha$ 1 抗体

别 名： KIAA0345 like 13; PCDH alpha1; PCDHA 1; Protocadherin alpha 1; PCDA1\_HUMAN.

研究领域： 神经生物学 信号转导 细胞粘附分子 细胞骨架 细胞外基质 细胞膜蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog,

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： 100kDa

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 PCDHA1:261-360/950 <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：** Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDHA1 (protocadherin alpha 1), also known as PCDH-ALPHA1, is a 950 amino acid, single-pass type I membrane protein that contains six cadherin domains. Functioning as a potential calcium-dependent cell-adhesion protein, PCDHA1 has been suspected to play a role in the creation and maintenance of neuronal connections. Three isoforms of PCDHA1 exists due to alternative splicing events.

**Function:**

PCDHA1 (Protocadherin alpha 1) is a member of the protocadherin family, a subgroup of the cadherin superfamily. Protocadherins are neural cadherin-like cell adhesion proteins that are integral membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific neuronal connections in the brain. PCDHA1 is one of fifteen tandemly arranged genes within the alpha cluster of protocadherin genes on 5q31.

**Subcellular Location:**

Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted.

**Similarity:**

Contains 6 cadherin domains.

**SWISS:**

Q9Y5I3

**Gene ID:**

56147

**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

