

## Homer 蛋白抗体

产品货号： mlR17351

英文名称： Homer

中文名称： Homer 蛋白抗体

别名： HOME1\_HUMAN; Homer; HOMER 1A; HOMER 1B; HOMER 1C; Homer protein homolog 1; Homer, neuronal immediate early gene, 1; Homer-1; Homer1; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves 1.

研究领域： 神经生物学 细胞膜受体 细胞类型标志物

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep, Monkey, Xenopus laevis

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 : 40kDa

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 Homer:251-354/354

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 :** This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function. [provided by RefSeq, Jul 2008]

**Function:**

Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2, SHANK1 and SHANK3. By physically linking GRM1 and GRM5 with ER-associated ITPR1 receptors, it aids the coupling of surface receptors to intracellular calcium release. May also couple GRM1 to PI3 kinase through its interaction with AGAP2. Isoform 1 regulates the trafficking and surface expression of GRM5. Isoform 3 acts as a natural dominant negative, in dynamic competition with constitutively expressed isoform 1 to regulate synaptic metabotropic glutamate function. Isoform 3, may be involved in the structural changes that occur at synapses during long-lasting neuronal plasticity and development.

**Subunit:**

Interacts with GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2, SHANK1 and SHANK3. Interacts with IFT57 and OPHN1. Isoform 1 encodes a coiled-coil structure that mediates homo- and heteromultimerization. {ECO:0000269|PubMed:10464340}.

**Subcellular Location:**

Cytoplasm. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cell junction; synapse. Postsynaptic density of neuronal cells. Isoform 1 inhibits surface expression of GRM5 causing it to be retained in the endoplasmic reticulum.

**Similarity:**

Belongs to the Homer family.

Contains 1 WH1 domain.

**SWISS:**

Q86YM7

**Gene ID:**

9456

**Important Note:**

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