

代谢型谷氨酸受体 1A 抗体

产品货号： mIR12011

英文名称： GRM1

中文名称： 代谢型谷氨酸受体 1A 抗体

别名： G protein coupled receptor family C group 1 member A; Glutamate receptor metabotropic 1 alpha; Glutamate receptor metabotropic 1; GPRC1A; GRM 1; GRM1 alpha; GRM1; GRM1A; Human metabotropic glutamate receptor 1 alpha mRNA complete cds; Metabotropic glutamate receptor 1 alpha; Metabotropic glutamate receptor 1; mGlu1; MGLUR1; MGLUR1A; mGluR1alpha; metabotropic glutamate receptor 1 isoform alpha; GRM1_HUMAN.

研究领域： 细胞生物 神经生物学 细胞膜受体 G 蛋白偶联受体 新陈代谢 G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Sheep, ,Danio rerio

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： 130kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human MGLUR1A/Metabotropic Glutamate

Receptor 1a:151-250/1194 <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 : This gene encodes a metabotropic glutamate receptor that functions by activating phospholipase C. L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

Function:

Receptor for glutamate. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum.

Subunit:

Homodimer; disulfide-linked. The PPXXF motif binds HOMER1, HOMER2 and HOMER3. Interacts with SIAH1, RYR1, RYR2, ITPR1, SHANK1, SHANK3 and GRASP

Subcellular Location:

Cell Membrane; multi pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 3 family.

SWISS:

Q13255

Gene ID:

2911

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

