

产品名称: mGluR1 (2N7) Rabbit Monoclonal Antibody
产品货号: AMRe13856



产品概述 (Summary)

产品名称 (Production Name)	mGluR1 (2N7) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRM1
别名 (Alternative Names)	GRM1A; mGlu1; GPRC1A; MGLUR1; SCAR13; MGLUR1A;
基因 ID (Gene ID)	2911.0
蛋白 ID (SwissProt ID)	Q13255.A synthetic peptide of human mGluR1a

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000
蛋白分子量 (Molecular Weight)	132kDa

研究背景 (Background)

L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and

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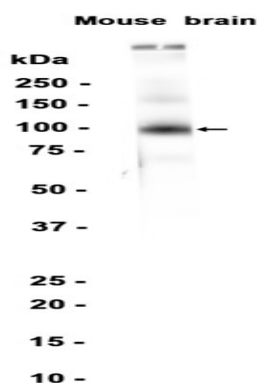


metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling 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 (PubMed:24603153, PubMed:28886343, PubMed:7476890). May function in the light response in the retina (By similarity).

研究领域 (Research Area)

Calcium;Neuroactive ligand-receptor interaction;Gap junction;Long-term potentiation;Long-term depression;

图片 (Image Data)



Western blot analysis of extracts from Mouse brain tissue using RM4986 at 1:1000.

注意事项 (Note)

For research use only .