

产品名称: mGluR-2/3 Rabbit Polyclonal Antibody
产品货号: AP Rab13860



产品概述 (Summary)

产品名称 (Production Name)	mGluR-2/3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
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)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRM2
别名 (Alternative Names)	GRM2; GPRC1B; MGLUR2; Metabotropic glutamate receptor 2; mGluR2; GRM3; GPRC1C; MGLUR3; Metabotropic glutamate receptor 3; mGluR3
基因 ID (Gene ID)	2912/2913
蛋白 ID (SwissProt ID)	Q14416/Q14832.The antiserum was produced against synthesized peptide derived from human mGluR2/3. AA range:823-872

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	100kDa

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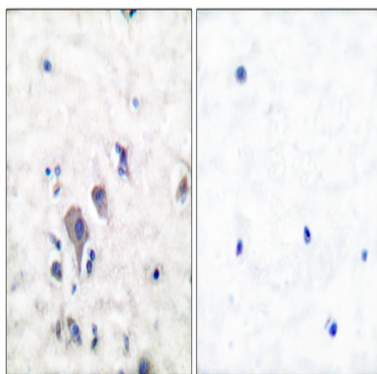
研究背景 (Background)

glutamate metabotropic receptor 2 (GRM2) Homo sapiens 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 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. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Two transcript variants encoding different isoforms have been found for this gene. **function:** Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization. **similarity:** Belongs to the G-protein coupled receptor 3 family. **subunit:** Interacts with GRASP. **tissue specificity:** Widely expressed in different regions of the adult brain as well as in fetal brain.

研究领域 (Research Area)

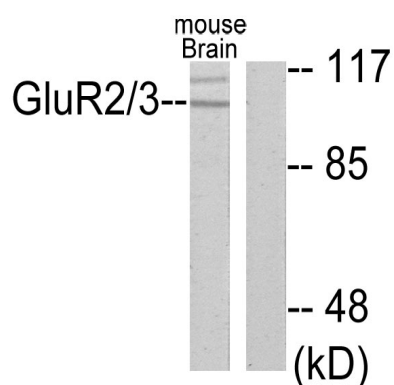
Neuroactive ligand-receptor interaction;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using mGluR2/3 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from mouse brain, using mGluR2/3 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .