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Rabbit Anti-GRM2+GRM4 antibody

SL2139R

Product Name:	GRM2+GRM4
Chinese Name:	促代谢型谷氨酸受体2+4抗体
Alias:	Metabotropic Glutamate Receptor 2+4; GRM2+GRM4; GRM2 + GRM4; GRM2/GRM4; GPRC1B; GPRC1D; GRM2; GRM4; Metabotropic glutamate receptor 2; Metabotropic glutamate receptor 4; mGluR2; mGluR4; GRM2_HUMAN; GRM4_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	102kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GRM2+GRM4:31-130/872
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	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. **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. **Subcellular Location:** Cell Membrane **SWISS:** Q14416 **Gene ID:** 2912 **Database links:** Entrez Gene: 2912Human Entrez Gene: 2914Human Entrez Gene: 24415Rat Entrez Gene: 24417Rat Omim: 604099Human Omim: 604100Human SwissProt: Q14416Human SwissProt: Q14833Human SwissProt: P31421Rat SwissProt: P31423Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.