Grm1/5 polyclonal antibody

Catalog # PAB9616 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Grm1/Grm5.
Immunogen	A synthetic peptide corresponding to C-terminus rat Grm1/Grm5.
Host	Rabbit
Theoretical MW (kDa)	125, 250
Reactivity	Human, Mouse, Rat
Specificity	Specific for the ~125KDa monomer and the ~250KDa dimers of mGluR5 and mGluR1.
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (Frozen sections) (1:500) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Frozen sections)
- Western Blot

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Gene Info — Grm1

Entrez GeneID	24414
Protein Accession#	P31424
Gene Name	Grm1
Gene Alias	Gprc1a
Gene Description	glutamate receptor, metabotropic 1
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	G protein coupled receptor family C group 1 member A

Gene Info — Grm5

Entrez GeneID	24418
Protein Accession#	P31424
Gene Name	Grm5
Gene Alias	mGluR5, mGlur5
Gene Description	glutamate receptor, metabotropic 5
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	metabotropic glutamate receptor (mGluR5)|metabotropic glutamate receptor 5b

Publication Reference

- Ral and phospholipase D2-dependent pathway for constitutive metabotropic glutamate receptor endocytosis.

  Bhattacharya M, Babwah AV, Godin C, Anborgh PH, Dale LB, Poulter MO, Ferguson SS.

  The Journal of Neuroscience 2004 Oct; 24(40):8752.

  Application: IP, WB-Tr, Human, HEK 293 cells

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- The metabotropic glutamate receptor 5 is necessary for late-phase long-term potentiation in the hippocampal CA1 region.

  Francesconi W, Cammalleri M, Sanna PP.

  Brain Research 2004 Oct; 1022(1-2):12.

- Neuroprotection against NMDA excitotoxicity by group I metabotropic glutamate receptors is associated with reduction of NMDA stimulated currents.

  Blaabjerg M, Fang L, Zimmer J, Baskys A.

  Experimental Neurology 2003 Oct; 183(2):573.

  Application：Added, Recombinant protein

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