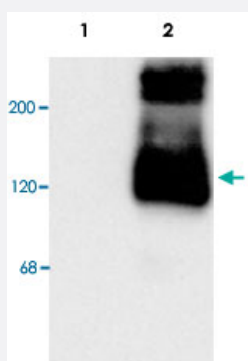


Grm1 polyclonal antibody

Catalog # PAB14526 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot of 10 ug of HEK 293 cells expressing mGluR5 (Lane 1) and Grm1 (Lane 2) showing the specific immunolabeling of the ~125 kDa monomer and the ~250 kDa dimer of Grm1. The Grm1 polyclonal antibody (Cat # PAB14526) shows no reactivity toward mGluR5.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Grm1.
Immunogen	A synthetic peptide corresponding to C-terminus rat Grm1.
Host	Rabbit
Theoretical MW (kDa)	125, 250
Reactivity	Rat
Specificity	Specific for the ~125k monomer and the ~250k Grm1 dimer.
Form	Liquid
Purification	Affinity purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (Frozen sections) (1:500) 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. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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- Immunohistochemistry (Frozen sections)

Gene Info — Grm1

Entrez GeneID	24414
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Protein Accession#	P23385
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Gene Name	Grm1
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Gene Alias	Gprc1a
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Gene Description	glutamate receptor, metabotropic 1
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Gene Ontology	Hyperlink
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Gene Summary	O
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Other Designations	G protein coupled receptor family C group 1 member A
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Publication Reference

- [Anatomical and molecular characterization of dopamine D1 receptor-expressing neurons of the mouse CA1 dorsal hippocampus.](#)

Puighermanal E, Cutando L, Boubaker-Vitre J, Honoré E, Longueville S, Hervé D, Valjent E.

Brain Structure & Function 2016 Sep; [Epub].

Application: IF, Mouse, Mouse dorsal hippocampus

- [Drd2-Cre:RiboTag mouse line unravels the possible diversity of dopamine D2 receptor-expressing cells of the dorsal mouse hippocampus.](#)

Puighermanal E, Biever A, Espallergues J, Gangarossa G, De Bundel D, Valjent E.

Hippocampus 2015 Jul; 25(7):858.

Application: IS, Mouse, Dorsal hippocampus

- [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

- [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

- [Endogenous cannabinoids mediate retrograde signalling at hippocampal synapses.](#)

Wilson RI, Nicoll RA.

Nature 2001 Mar; 410(6828):588.