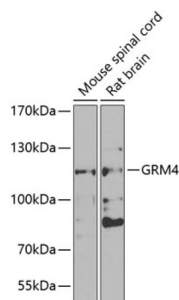


## Glutamate Metabotropic Receptor 4 (GRM4) Antibody

Catalogue No.: abx005491



Western blot analysis of extracts of various cell lines using GRM4 Antibody (1/1000 dilution).

GRM4 Antibody is a Rabbit Polyclonal antibody against GRM4. 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. Several transcript variants encoding different isoforms have been found for this gene.

|                               |  |
|-------------------------------|--|
| <b>Target:</b>                | Glutamate Metabotropic Receptor 4 (GRM4)   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>Reactivity:</b>            | Mouse, Rat   |
| <b>Tested Applications:</b>   | WB   |
| <b>Host:</b>                  | Rabbit   |
| <b>Recommended dilutions:</b> | WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated   |
| <b>Immunogen:</b>             | Recombinant fusion protein corresponding to human GRM4                                     |
| <b>Isotype:</b>               | IgG  |
| <b>Form:</b>                  | Liquid   |
| <b>Purification:</b>          | Purified by affinity chromatography.   |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                             |

# Datasheet

Version: 3.0.0  
Revision date: 05 Oct 2025



**UniProt Primary AC:** Q14833 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** GRM4

**GeneID:** [2914](#)

**NCBI Accession:** NP\_000832.1

**KEGG:** hsa:2914

**String:** [9606.ENSP00000440556](#)

**Molecular Weight:** Calculated MW: 83 kDa/86 kDa/87 kDa/88 kDa/101 kDa  
Observed MW: 115 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.