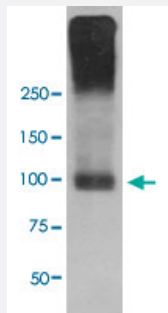


GRM2 monoclonal antibody, clone IEI-7

Catalog # MAB20489 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of mouse brain tissue lysate with GRM2 monoclonal antibody, clone IEI-7 (Cat # MAB20489).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human GRM2.

Immunogen A synthetic peptide corresponding to human GRM2.

Host Rabbit

Theoretical MW (kDa) 95.568

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
 Immunocytochemistry (1:50-1:200)
 Immunofluorescence (1:50-1:200)
 Immunohistochemistry (1:50-1:200)
 Western Blot (1:5000-1:10000)
 The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of mouse brain tissue lysate with GRM2 monoclonal antibody, clone IEI-7 (Cat # MAB20489).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

Gene Info — GRM2

Entrez GeneID[2912](#)**Protein Accession#**[Q14416](#)**Gene Name**

GRM2

Gene Alias

GLUR2, GPRC1B, MGLUR2, mGlu2

Gene Description

glutamate receptor, metabotropic 2

Omim ID[604099](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

glutamate metabotropic receptor 2|glutamate receptor homolog

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Psychoses](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)