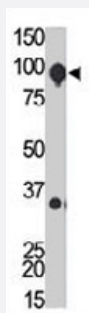


GRM8 polyclonal antibody

Catalog # PAB3655

Size 400 uL

Applications



Western Blot (Tissue lysate)

The GRM8 polyclonal antibody (Cat # PAB3655) is used in Western blot to detect GRM8 in mouse brain tissue lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GRM8.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human GRM8.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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)

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Gene Info — GRM8

Entrez GeneID [2918](#)

Protein Accession# [NP_000836;O00222](#)

Gene Name GRM8

Gene Alias FLJ41058, GLUR8, GPRC1H, MGC126724, MGLUR8, mGlu8

Gene Description glutamate receptor, metabotropic 8

Omim ID [601116](#)

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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000024506|glutamate metabotropic receptor 8

Publication Reference

- [Cloning and functional expression of alternative spliced variants of the human metabotropic glutamate receptor 8.](#)

Malherbe P, Kratzeisen C, Lundstrom K, Richards JG, Faull RL, Mutel V.

Brain Research. Molecular Brain Research 1999 Apr; 67(2):201.

- [Group III human metabotropic glutamate receptors 4, 7 and 8: molecular cloning, functional expression, and comparison of pharmacological properties in RGT cells.](#)

Wu S, Wright RA, Rockey PK, Burgett SG, Arnold JS, Rosteck PR Jr, Johnson BG, Schoepp DD, Belagaje RM.

Brain Research. Molecular Brain Research 1998 Jan; 53(1-2):88.

- [The human metabotropic glutamate receptor 8 \(GRM8\) gene: a disproportionately large gene located at 7q31.3-q32.1.](#)

Scherer SW, Soder S, Duvoisin RM, Huizenga JJ, Tsui LC.

Genomics 1997 Sep; 44(2):232.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Colitis](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Inflammatory Bowel Diseases](#)

- [Myocardial Infarction](#)
- [NARP](#)
- [Opioid-Related Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)