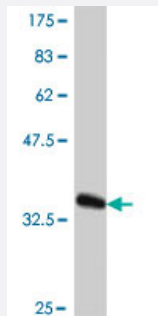


GRM8 polyclonal antibody (A01)

Catalog # H00002918-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.01 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant GRM8.
Immunogen	GRM8 (NP_000836, 486 a.a. ~ 575 a.a) partial recombinant protein with GST tag.
Sequence	KVIGHWTNQLHLKVEDMQWAHREHTHPASVCSLPCKPGERKKTVKGVPCCVHWCERCEGYNYQ VDELSCELCPLDQRPNMNRTGCQLIPII
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.01 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GRM8

Entrez GeneID [2918](#)

GeneBank Accession# [NM_000845](#)

Protein Accession# [NP_000836](#)

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

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](#)