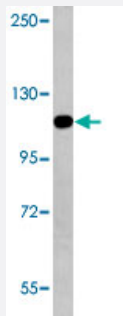


GRM3 polyclonal antibody

Catalog # PAB4440

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of NCI-H292 cell lysate (35 ug/lane) with GRM3 polyclonal antibody (Cat # PAB4440).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GRM3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human GRM3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) 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 (Cell lysate)

Western blot analysis of NCI-H292 cell lysate (35 ug/lane) with GRM3 polyclonal antibody (Cat # PAB4440).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GRM3

Entrez GeneID [2913](#)

Protein Accession# [NP_000831:Q14832](#)

Gene Name GRM3

Gene Alias GLUR3, GPRC1C, MGLUR3, mGlu3

Gene Description glutamate receptor, metabotropic 3

Omim ID [601115](#)

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. [provided by RefSeq]

Other Designations glutamate metabotropic receptor 3

Publication Reference

- [Novel target genes of the Ah \(dioxin\) receptor: transcriptional induction of N-myristoyltransferase 2.](#)

Kolluri SK, Baldur C, Hofmann M, Gottlicher M.

Cancer Research 2001 Dec; 61(23):8534.

- [Myristoylation of human immunodeficiency virus type 1 gag protein is required for efficient env protein transportation to the surface of cells.](#)

Shiraishi T, Misumi S, Takama M, Takahashi I, Shoji S.

Biochemical and Biophysical Research Communications 2001 Apr; 282(5):1201.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anoxia](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Decision Making](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Obstetric Labor Complications](#)
- [Problem Solving](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)

- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Set \(Psychology\)](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)