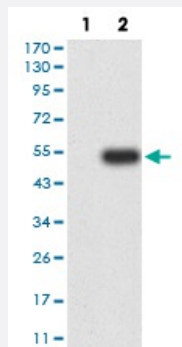


GRM3 monoclonal antibody, clone 6H10C3

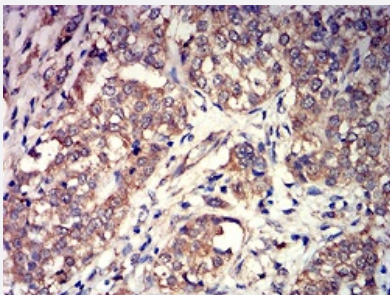
Catalog # MAB17542 Size 100 ug

Applications



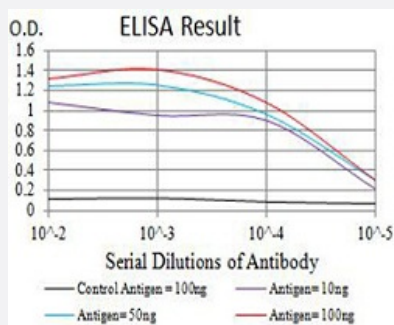
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GRM3-hlgGFc transfected HEK293 cell lysate.



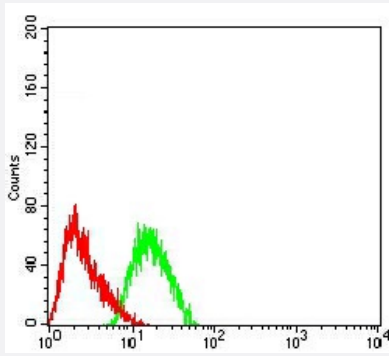
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded bladder cancer tissues with GRM3 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GRM3 monoclonal antibody, clone 6H10C3.



Flow Cytometry

Flow cytometric analysis of SH-SY5Y cells with GRM3 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human GRM3.
Immunogen	Recombinant protein corresponding to amino acid 433-576 of human GRM3 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	99
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry (1:200-1:400) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% 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 (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GRM3-hlgGfc transfected HEK293 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded bladder cancer tissues with GRM3 monoclonal antibody.

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Flow cytometric analysis of SH-SY5Y cells with GRM3 monoclonal antibody (green) and negative control (red).

Gene Info — GRM3

Entrez GeneID [2913](#)

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

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](#)