

GRM3
Purified Mouse Monoclonal Antibody
Catalog # AO2584a

Specification

GRM3 - Product Information

Application	E, WB, IHC
Primary Accession	Q14832
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	99kDa KDa

Immunogen

Purified recombinant fragment of human GRM3 (AA: extra 433-576) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

GRM3 - Additional Information

Gene ID 2913

Other Names

GLUR3; mGlu3; GPRC1C; MGLUR3

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
IHC~~ 1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GRM3 is for research use only and not for use in diagnostic or therapeutic procedures.

GRM3 - Protein Information

Name GRM3

Synonyms GPRC1C, MGLUR3

Function

G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity

of down-stream effectors. Signaling inhibits adenylate cyclase activity.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain cortex, thalamus, subthalamic nucleus, substantia nigra, hypothalamus, hippocampus, corpus callosum, caudate nucleus and amygdala.

GRM3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GRM3 - Images

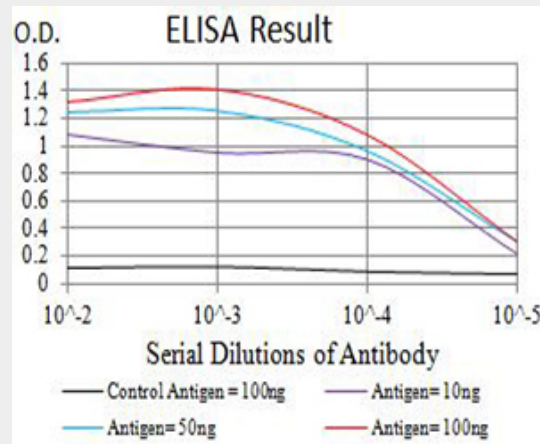


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

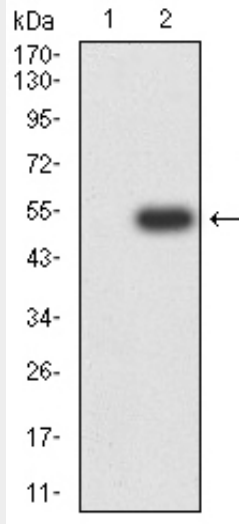


Figure 3:Western blot analysis using GRM3 mAb against HEK293 (1) and GRM3 (AA: extra 433-576)-hlgGfc transfected HEK293 (2) cell lysate.

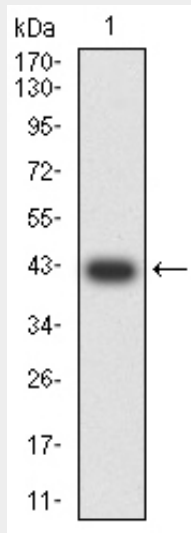


Figure 7:Western blot analysis using GRM3 mAb against human GRM3 (AA: extra 433-576) recombinant protein. (Expected MW is 42.4 kDa)

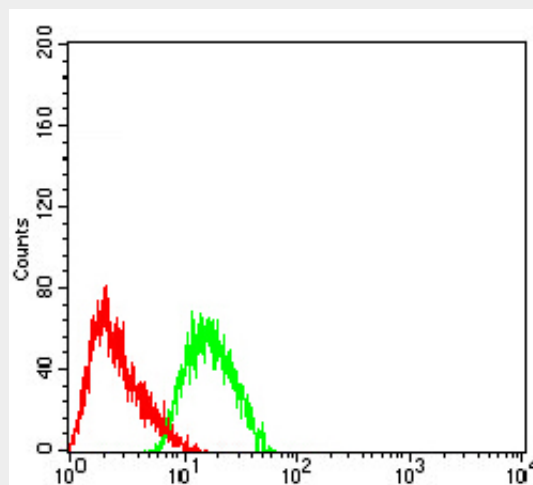


Figure 4:Flow cytometric analysis of SH-SY5Y cells using GRM3 mouse mAb (green) and negative

control (red).

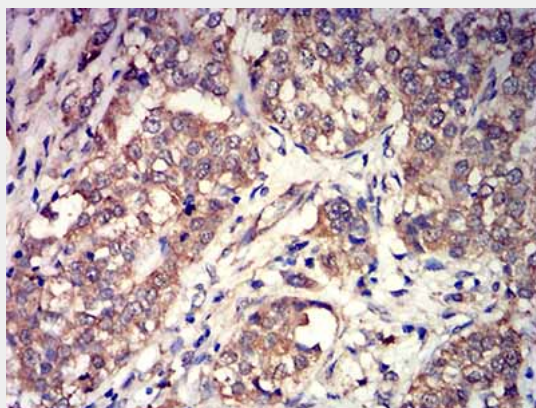
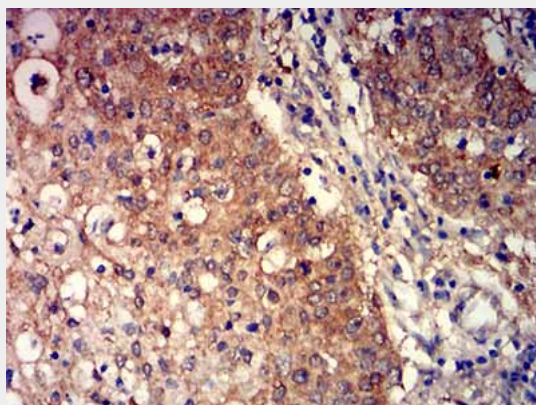


Figure 5: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using GRM3 mouse mAb with DAB staining.



1/200 - 1/1000

GRM3 - References

1. Prog Neuropsychopharmacol Biol Psychiatry. 2015 Oct 1;62:14-21. 2. Cell Mol Biol (Noisy-le-grand). 2014 Sep 6;60(2):42-9.