

GRM3

Purified Mouse Monoclonal Antibody Catalog # AO2584a

# **Product Information**

Application Primary Accession Reactivity Host Clonality Clone Names Isotype Calculated MW Immunogen	WB, IHC, ICC, E Q14832 Human Mouse Monoclonal 6H10C3 Mouse IgG1 98879 Purified recombinant fragment of human GRM3 (AA: extra 433-576) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

## **Additional Information**

Gene ID	2913
Other Names	GLUR3; mGlu3; GPRC1C; MGLUR3
Dilution	WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~N/A E~~ 1/10000
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.

## **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

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

#### 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.

#### Images

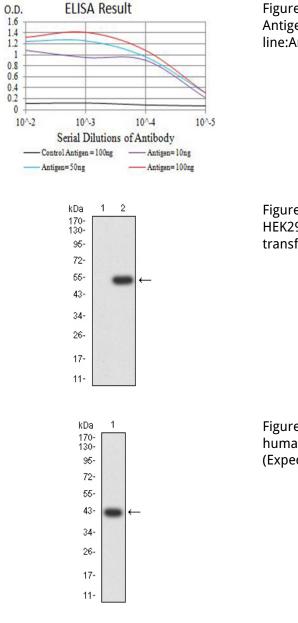


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

Figure 3:Western blot analysis using GRM3 mAb against HEK293 (1) and GRM3 (AA: extra 433-576)-hIgGFc 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).

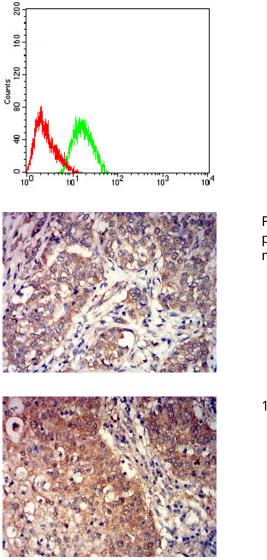


Figure 5:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using GRM3 mouse mAb with DAB staining.

1/200 - 1/1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.