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GRM8

Purified Mouse Monoclonal Antibody
Catalog # AO2745a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	O00222
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4C1C1
Isotype	Mouse IgG1
Calculated MW	101741
Immunogen	Purified recombinant fragment of human GRM8 (AA: extra 440-583) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	2918
Other Names	GLUR8; mGlu8; GPRC1H; MGLUR8
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 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	GRM8 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GRM8
Synonyms	GPRC1H, MGLUR8
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, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.
Cellular Location	Cell membrane; Multi-pass membrane protein.

References

1.Hereditas. 2014 Dec;151(6):140-4. 2.Am J Med Genet B Neuropsychiatr Genet. 2009 Apr 5;150B(3):359-68.

Images

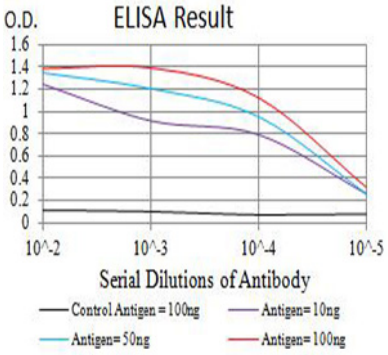


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

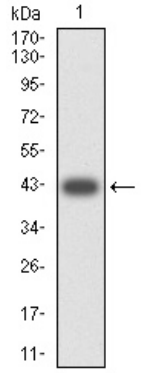


Figure 2:Western blot analysis using GRM8 mAb against human GRM8 (AA: extra 440-583) recombinant protein. (Expected MW is 42.6 kDa)

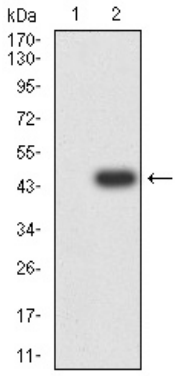


Figure 3:Western blot analysis using GRM8 mAb against HEK293 (1) and GRM8 (AA: extra 440-583)-hIgGFc transfected HEK293 (2) cell lysate.

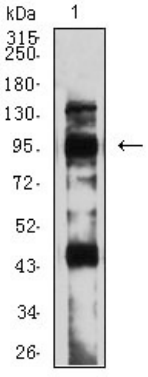
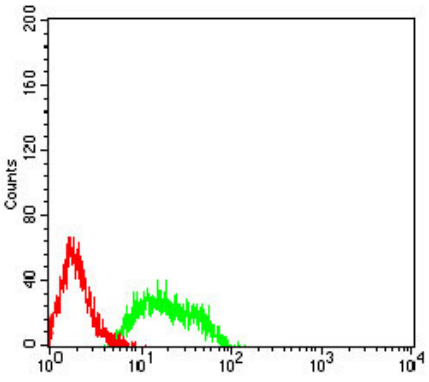


Figure 4:Western blot analysis using GRM8 mouse mAb against C6 (1) cell lysate.

Figure 5:Flow cytometric analysis of SK-N-SH cells using



GRM8 mouse mAb (green) and negative control (red).

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