

Anti-mGLUR2 Antibody

Catalog # AP95847

Product Information

Application	WB, FC
Primary Accession	Q14416
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	95568

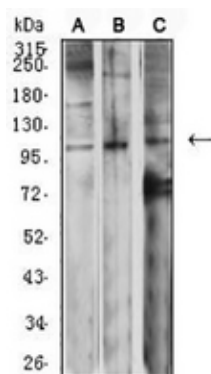
Additional Information

Gene ID	2912
Other Names	GPRC1B; MGLUR2; MetabotropIC, glutamate receptor 2; mGluR2
Target/Specificity	Recombinant fusion protein of human mGLUR2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

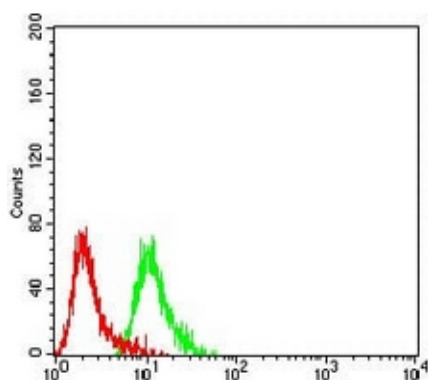
Protein Information

Name	GRM2 (HGNC:4594)
Synonyms	GPRC1B, MGLUR2
Function	Dimeric G protein-coupled receptor which is activated by the excitatory neurotransmitter L-glutamate (PubMed: 37286794). Plays critical roles in modulating synaptic transmission and neuronal excitability. Upon activation by glutamate, inhibits presynaptic calcium channels, reducing further glutamate release and dampening excitatory signaling (By similarity). Mechanistically, 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. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.
Cellular Location	Cell membrane; Multi-pass membrane protein. Synapse. Cell projection, dendrite
Tissue Location	Detected in brain cortex (at protein level). Widely expressed in different regions of the adult brain as well as in fetal brain.

Images



Western blot analysis of mGLUR2 expression in SKNSH (A), Jurkat (B), SW620 (C) whole cell lysates. (Predicted band size: 96 kD; Observed band size: 100 kD)



Flow cytometric analysis of SKNSH cells using Anti-mGLUR2 Antibody (green) and negative control (red).

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