

DATASHEET

mGLUR2 Mouse Monoclonal Antibody(C2725)

CAT. NO. AMA02337

KEY FEATURES

Target	mGLUR2	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Dimeric G protein-coupled receptor which is activated by the excitatory neurotransmitter L-glutamate . 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 . 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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to mGLUR2
Specificity	Recognizes endogenous levels of mGLUR2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human mGLUR2 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 96 kD; Observed: 100 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GPRC1B; MGLUR2; Metabotropic, glutamate receptor 2; mGluR2
Gene Symbol	GRM2
Entrez Gene	2912(Human)
SwissProt	Q14416(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

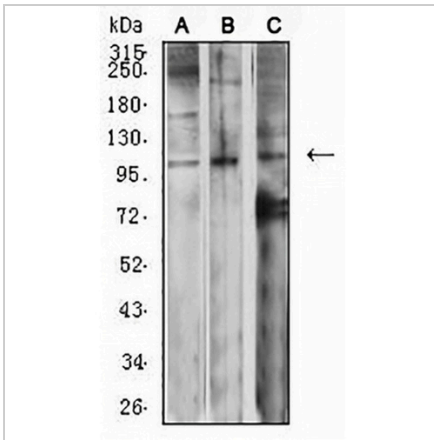
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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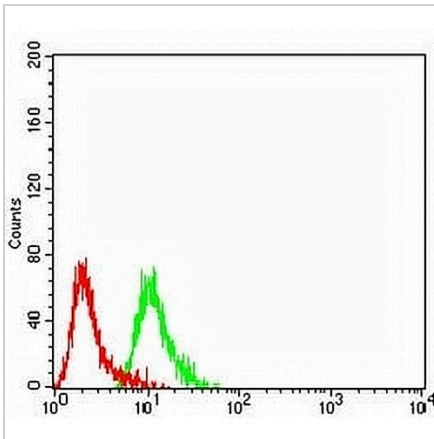
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Western blot analysis of mGLUR2 expression in SKNSH (A), Jurkat (B), SW620 (C) whole cell lysates. (Predicted band size: 96 kD; Observed band size: 100 kD)



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

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.