

DATASHEET

GRIK3 Mouse Monoclonal Antibody(C2724)

CAT. NO. AMA02336

KEY FEATURES

Target	GRIK3	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

Ionotropic glutamate receptor that functions as a cation-permeable ligand-gated ion channel, gated by L-glutamate and the glutamatergic agonist kainic acid. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist . In association with GRIK2, involved in presynaptic facilitation of glutamate release at hippocampal mossy fiber synapses .

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 GRIK3
Specificity	Recognizes endogenous levels of GRIK3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GRIK3 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 104 kD; Observed: 104 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GLUR7; Glutamate receptor ionotropIC,, kainate 3; GluK3; Excitatory amino acid receptor 5; EAA5; Glutamate receptor 7; GluR-7; GluR7
Gene Symbol	GRIK3
Entrez Gene	2899(Human)
SwissProt	Q13003(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.

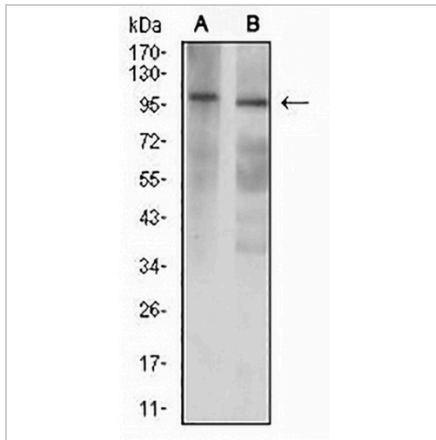
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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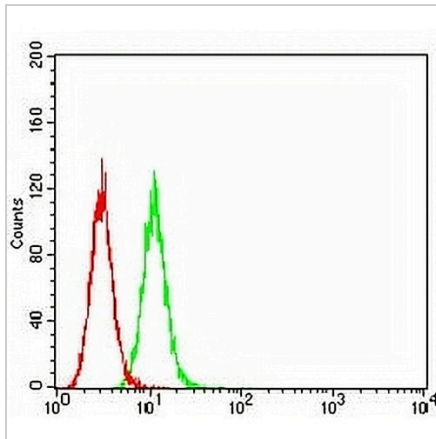
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Western blot analysis of GRIK3 expression in A431 (A), HeLa (B) whole cell lysates.
(Predicted band size: 104 kD; Observed band size: 104 kD)



Flow cytometric analysis of HeLa cells using Anti-GRIK3 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.