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GRIK3

Purified Mouse Monoclonal Antibody
Catalog # AO2621a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q13003
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2B4H1
Isotype	Mouse IgG1
Calculated MW	104037
Immunogen	Purified recombinant fragment of human GRIK3 (AA: extra 32-173) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	2899
Other Names	EAA5; GLR7; GLUR7; GluK3; GluR7a
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	GRIK3 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GRIK3
Synonyms	GLUR7
Function	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 (PubMed:7719709). In association with

	GRIK2, involved in presynaptic facilitation of glutamate release at hippocampal mossy fiber synapses (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P42264}; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:P42264}; Multi-pass membrane protein

References

1.Eur Addict Res. 2013;19(1):55-9.2.Psychiatr Pol. 2011 May-Jun;45(3):325-35.

Images

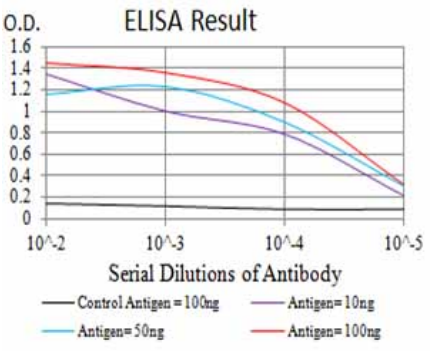


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

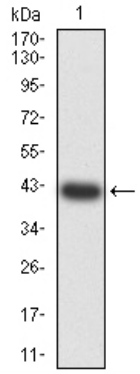


Figure 2:Western blot analysis using GRIK3 mAb against human GRIK3 (AA: extra 32-173) recombinant protein. (Expected MW is 42 kDa)

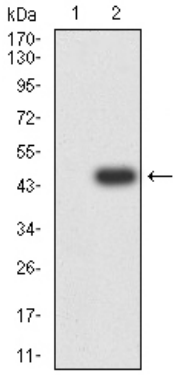
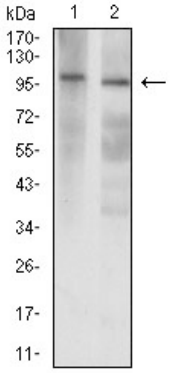


Figure 3:Western blot analysis using GRIK3 mAb against HEK293 (1) and GRIK3 (AA: extra 32-173)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using GRIK3 mouse mAb against A431 (1) and Hela (2) cell lysate.



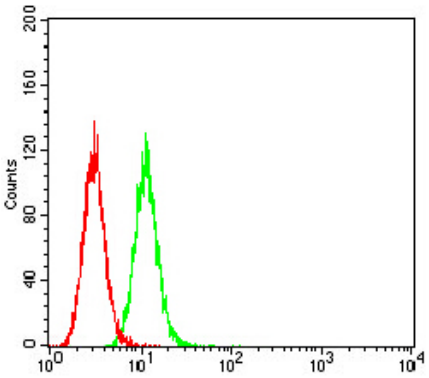


Figure 5:Flow cytometric analysis of Hela cells using GRIK3 mouse mAb (green) and negative control (red).

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