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GRIK4

Purified Mouse Monoclonal Antibody
Catalog # AO2595a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q16099
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8H5H9
Isotype	Mouse IgG2b
Calculated MW	107246
Immunogen	Purified recombinant fragment of human GRIK4 (AA: extra 21-166) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	2900
Other Names	KA1; EAA1; GRIK; GluK4
Dilution	WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~ 1/200 - 1/1000 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	GRIK4 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GRIK4
Synonyms	GRIK
Function	Ionotropic glutamate receptor that functions as a cation- permeable ligand-gated ion channel. Cannot form functional channels on its own (PubMed:8263508). Shows channel activity only in heteromeric assembly with GRIK1, GRIK2 and GRIK3 subunits (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q8BMF5}; Multi-pass membrane protein.

Presynaptic cell membrane {ECO:0000250|UniProtKB:Q8BMF5}; Multi-pass membrane protein

References

1.Pharmacogenomics. 2014 Aug;15(11):1451-9.2.Am J Med Genet B Neuropsychiatr Genet. 2012 Jan;159B(1):21-9.

Images

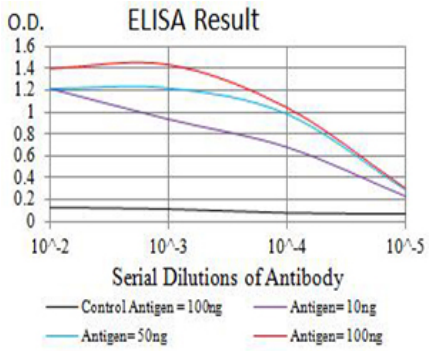


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

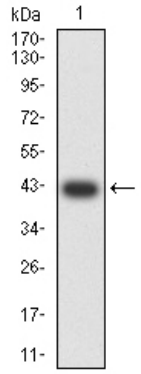


Figure 2:Western blot analysis using GRIK4 mAb against human GRIK4 (AA: extra 21-166) recombinant protein. (Expected MW is 42 kDa)

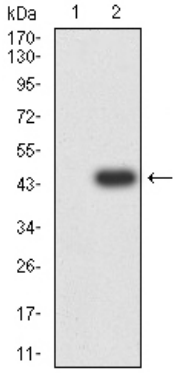
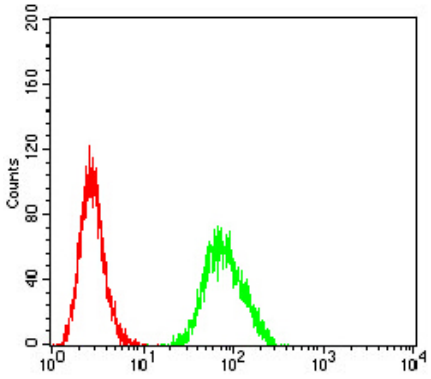


Figure 3:Western blot analysis using GRIK4 mAb against HEK293 (1) and GRIK4 (AA: extra 21-166)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 5:Flow cytometric analysis of SH-SY5Y cells using GRIK4 mouse mAb (green) and negative control (red).



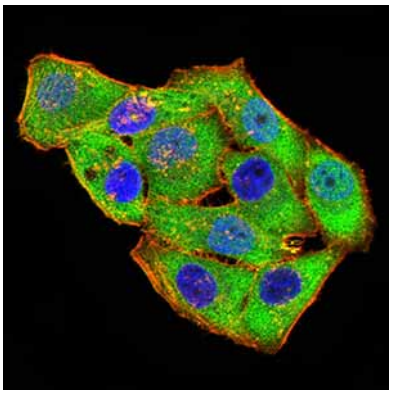


Figure 4:Immunofluorescence analysis of Hela cells using GRIK4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

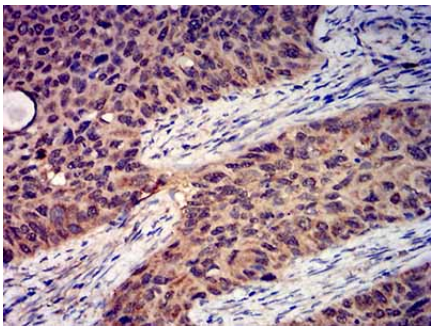


Figure 6:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using GRIK4 mouse mAb with DAB staining.

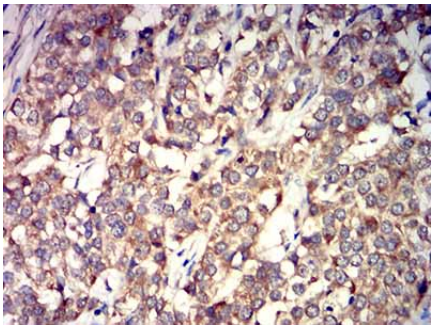


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using GRIK4 mouse mAb with DAB staining.

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