

GRIK4

Purified Mouse Monoclonal Antibody Catalog # AO2594a

Product Information

Application WB, IHC, ICC, E

Primary Accession

Reactivity

Host

Clonality

Clone Names

Isotype

Calculated MW

Monoclonal

8H5G5

Mouse IgG2b

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~~1:100~500 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.

References

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

Images

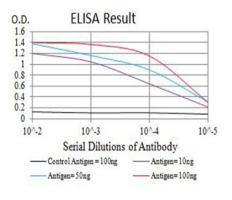


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

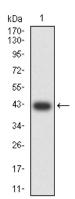


Figure 2:Western blot analysis using GRIK4 mAb against human GRIK4 (AA: extra 21-166) recombinant protein. (Expected MW is 42 kDa)

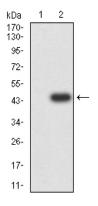
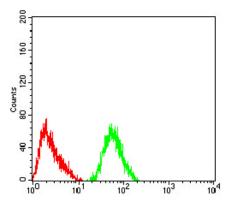


Figure 3:Western blot analysis using GRIK4 mAb against HEK293 (1) and GRIK4 (AA: extra 21-166)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 6:Flow cytometric analysis of SH-SY5Y cells using GRIK4 mouse mAb (green) and negative control (red).



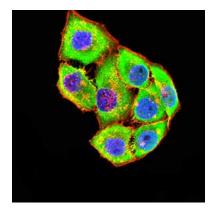


Figure 4:Immunofluorescence analysis of Hela cells using GRIK4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

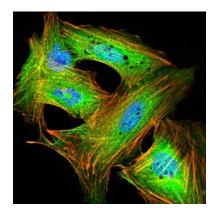


Figure 5:Immunofluorescence analysis of SK-N-SH cells using GRIK4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

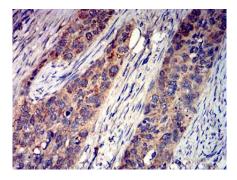


Figure 7:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using GRIK4 mouse mAb with DAB staining.

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