

GRIK5

Purified Mouse Monoclonal Antibody
Catalog # AO2583a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q16478
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4G5H8
Isotype	Mouse IgG1
Calculated MW	109265
Immunogen	Purified recombinant fragment of human GRIK5 (AA: extra 21-166) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	2901
Other Names	KA2; EAA2; GRIK2; GluK5
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	GRIK5 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GRIK5
Synonyms	GRIK2
Function	Ionotropic glutamate receptor that functions as a cation- permeable ligand-gated ion channel, gated by L-glutamate and the glutamatergic agonist kainic acid. Cannot form functional channels on its own and produces channel activity only in heteromeric assembly with GRIK1 and GRIK2 subunits (PubMed: 1321949 , PubMed: 14511640 , PubMed: 8730589). Can form functional heteromeric receptors with GRIK3 (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q61626}; Multi-pass membrane protein. Presynaptic cell membrane {ECO:0000250|UniProtKB:Q61626}; Multi-pass membrane protein. Note=Association with GRIK2 is required for its cell membrane localization and channel activity

References

1.EMBO J. 2013 Feb 20;32(4):496-510.2.Psychiatry Res. 2006 Jan 30;141(1):39-51.

Images

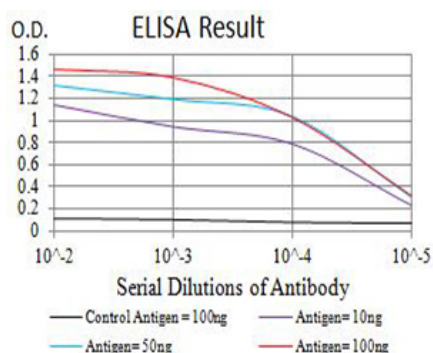


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

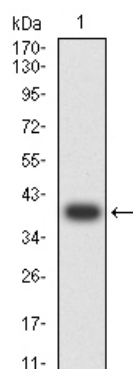


Figure 2:Western blot analysis using GRIK5 mAb against human GRIK5 (AA: extra 21-166) recombinant protein. (Expected MW is 39 kDa)

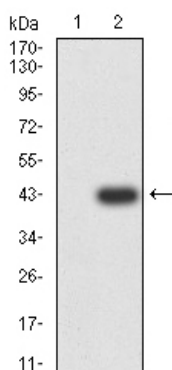


Figure 3:Western blot analysis using GRIK5 mAb against HEK293 (1) and GRIK5 (AA: extra 21-166)-hIgGfc transfected HEK293 (2) cell lysate.

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