

GRIK5
Purified Mouse Monoclonal Antibody
Catalog # AO2583a**Specification**

GRIK5 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q16478
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	109.3kDa KDa

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

GRIK5 - 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.

GRIK5 - 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

GRIK5 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GRIK5 - Images

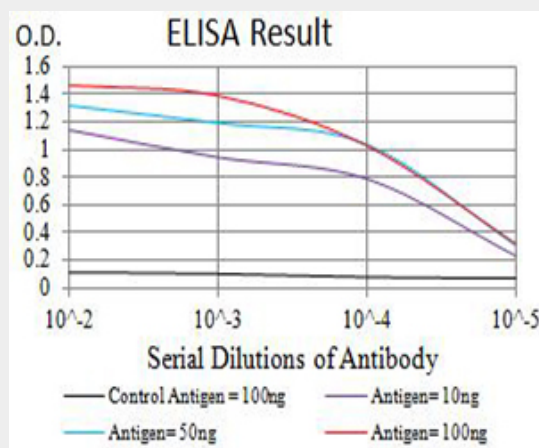


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

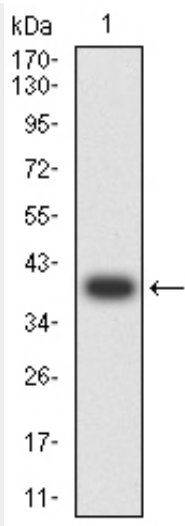


Figure 2: Western blot analysis using GRIK5 mAb against human GRIK5 (AA: extra 21-166) recombinant protein. (Expected MW is 39 kDa)

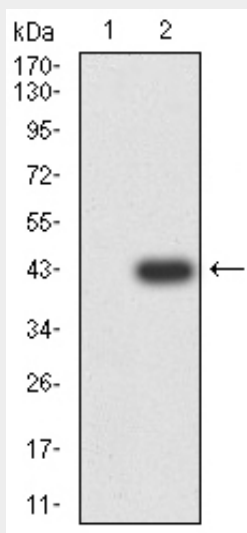


Figure 3: Western blot analysis using GRIK5 mAb against HEK293 (1) and GRIK5 (AA: extra 21-166)-hlgGFc transfected HEK293 (2) cell lysate.

GRIK5 - References

1. EMBO J. 2013 Feb 20;32(4):496-510. 2. Psychiatry Res. 2006 Jan 30;141(1):39-51.