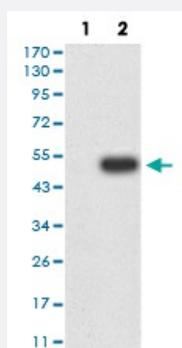


GRIK2 monoclonal antibody, clone 8A1F11

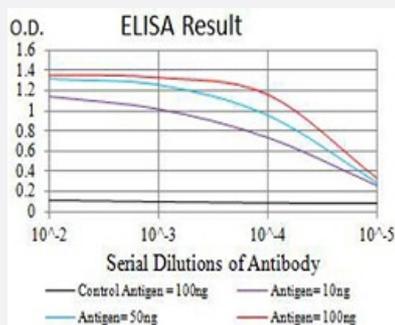
Catalog # MAB17548 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GRIK2-hlgGfC transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GRIK2 monoclonal antibody, clone 8A1F11.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human GRIK2.
Immunogen	Recombinant protein corresponding to amino acid 45-226 of human GRIK2 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	102.5
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GRIK2-hlgGFc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GRIK2 monoclonal antibody, clone 8A1F11.

Gene Info — GRIK2

Entrez GeneID	2898
Gene Name	GRIK2
Gene Alias	EAA4, GLR6, GLUK6, GLUR6, MGC74427, MRT6
Gene Description	glutamate receptor, ionotropic, kainate 2
Omim ID	138244 611092
Gene Ontology	Hyperlink

Gene Summary

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation. [provided by RefSeq]

Other Designations

OTTHUMP00000017949|bA487F5.1|excitatory amino acid receptor 4|glutamate receptor 6

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Mental Disorders](#)
- [Obsessive-Compulsive Disorder](#)
- [Schizophrenia](#)
- [Sexual Dysfunction](#)
- [Sexual Dysfunctions](#)
- [Tobacco Use Disorder](#)