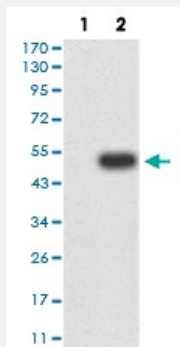


# GRIK2 monoclonal antibody, clone 8A1F11

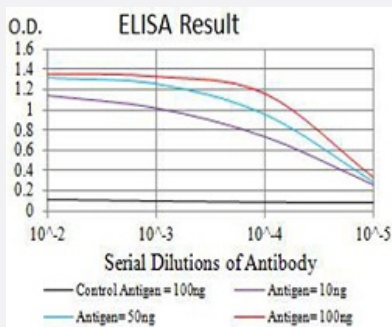
Catalog # MAB17548      Size 100 ug

## 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

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

<b>Recommend Usage</b>	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry Immunohistochemistry The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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

<b>Entrez GeneID</b>	<a href="#">2898</a>
<b>Gene Name</b>	GRIK2
<b>Gene Alias</b>	EAA4, GLR6, GLUK6, GLUR6, MGC74427, MRT6
<b>Gene Description</b>	glutamate receptor, ionotropic, kainate 2
<b>Omim ID</b>	<a href="#">138244 611092</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**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](#)