

# GRIK3 rabbit monoclonal antibody

Catalog # H00002899-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human GRIK3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GRIK3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GRIK3 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — GRIK3

Entrez GeneID	<a href="#">2899</a>
GeneBank Accession#	<a href="#">GRIK3</a>
Gene Name	GRIK3
Gene Alias	EAA5, GLR7, GLUR7, GluR7a
Gene Description	glutamate receptor, ionotropic, kainate 3
Omim ID	<a href="#">138243</a>
Gene Ontology	<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. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by RefSeq]
Other Designations	OTTHUMP00000004360 dJ1090M5.1 (glutamate receptor, ionotropic, kainate 3 (GLUR7)) excitatory amino acid receptor 5 glutamate receptor 7

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)

- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Obsessive-Compulsive Disorder](#)
- [Personality Assessment](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)