

# Mouse Monoclonal Antibody to GRIK3

## Order Information

Catalog#	31292	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

## Description

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.

## Specification

Aliases	: EAA5; GLR7; GLUR7; GluK3; GluR7a
Entrez GeneID	: 2899
Swissprot	: Q13003
clone	: 2B4H1
WB Predicted band size	: 104kDa
Host/Isotype	: Mouse IgG1
Storage	: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Species Reactivity	: Human
Immunogen	: Purified recombinant fragment of human GRIK3 (AA: extra 32-173) expressed in E. Coli.
Formulation	: Purified antibody in PBS with 0.05% sodium azide

## Application

WB	1/500 - 1/2000
FCM	1/200 - 1/400
ELISA	1/10000

## References

- 1.Eur Addict Res. 2013;19(1):55-9.
- 2.Psychiatr Pol. 2011 May-Jun;45(3):325-35.

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## Protocol

WB - [www.promab.com/protocol/wb.html](http://www.promab.com/protocol/wb.html)  
IHC - [www.promab.com/protocol/ihc.html](http://www.promab.com/protocol/ihc.html)  
ICC - [www.promab.com/protocol/icc.html](http://www.promab.com/protocol/icc.html)  
HCM - [www.promab.com/protocol/hcm.html](http://www.promab.com/protocol/hcm.html)  
**Antigen Sequence** is available upon request.

## Products and Services

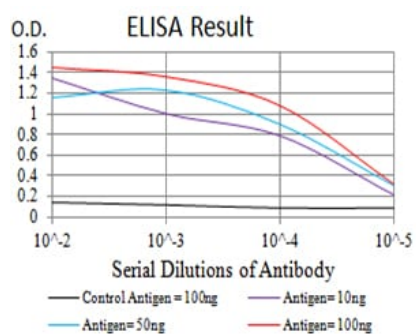
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

**For Research Only**

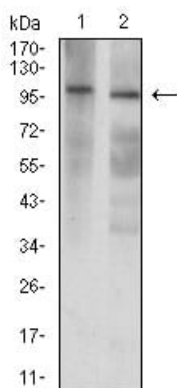
**Application Key:**WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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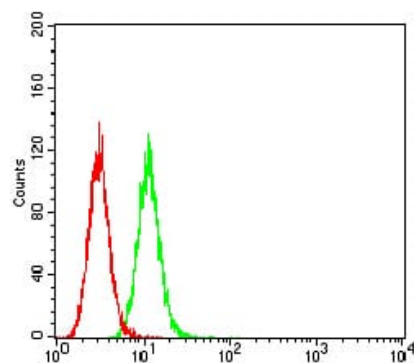
# Mouse Monoclonal Antibody to GRIK3



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



Western blot analysis using GRIK3 mouse mAb against A431 (1) and HeLa (2) cell lysate.



Flow cytometric analysis of HeLa cells using GRIK3 mouse mAb (green) and negative control (red).

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