

Datasheet for ABIN5611208
anti-GRIK2 antibody (AA 45-226)

3 Images

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Overview

Quantity:	0.1 mg
Target:	GRIK2
Binding Specificity:	AA 45-226
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human GRIK2 (AA: extra 45-226) expressed in E. coli.
Clone:	8A1F11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GRIK2
Alternative Name:	GRIK2 (GRIK2 Products)
Background:	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

Target Details

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. Aliases: EAA4, GLR6, MRT6, GLUK6, GLUR6, GluK2

Molecular Weight:	102.5 kDa
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Gene ID:	2898
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HGNC:	2898
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Pathways:	Synaptic Membrane , Regulation of long-term Neuronal Synaptic Plasticity
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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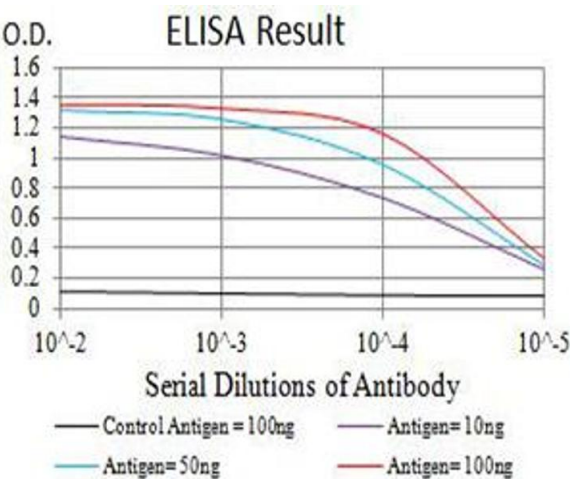
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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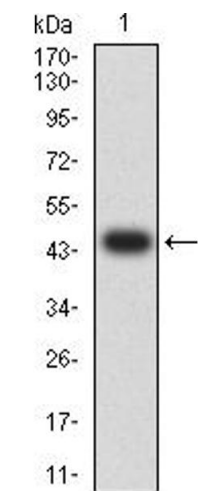
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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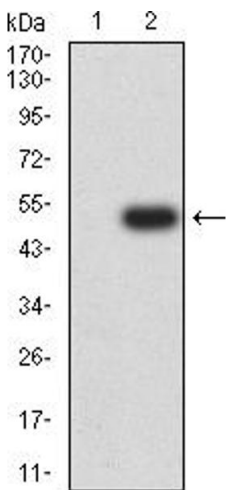
ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 2. Western blot analysis using GRIK2 mAb against human GRIK2 (AA: extra 45-226) recombinant protein. (Expected MW is 46.5 kDa)



Western Blotting

Image 3. Western blot analysis using GRIK2 mAb against HEK293 (1) and GRIK2 (AA: extra 45-226)-hlgGFc transfected HEK293 (2) cell lysate.