

Datasheet for ABIN5611156
anti-GRIK3 antibody (AA 32-173)[Go to Product page](#)

5 Images

Overview

Quantity:	0.1 mg
Target:	GRIK3
Binding Specificity:	AA 32-173
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human GRIK3 (AA: extra 32-173) expressed in E. coli.
Clone:	2B3D1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GRIK3
Alternative Name:	GRIK3 (GRIK3 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. 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.

Aliases: EAA5, GLR7, GLUR7, GluK3, GluR7a

Molecular Weight:	104 kDa
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Gene ID:	2899
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HGNC:	2899
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Pathways:	Synaptic Membrane
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, 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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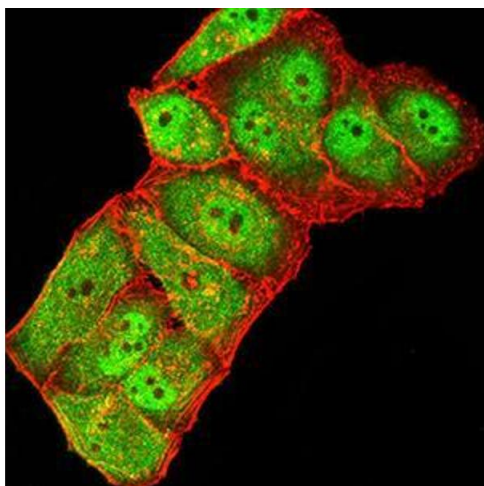
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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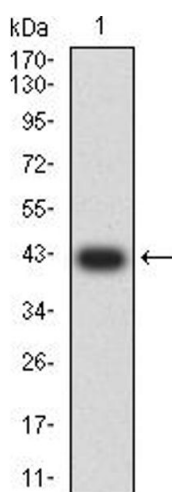
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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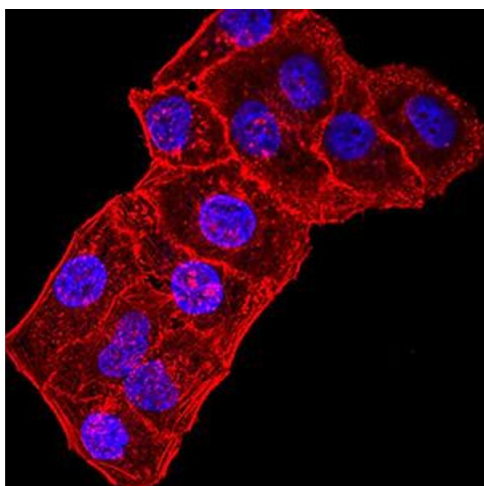
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using GRIK3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Western Blotting

Image 2. Western blot analysis using GRIK3 mAb against human GRIK3 (AA: extra 32-173) recombinant protein. (Expected MW is 42 kDa)



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using GRIK3 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5611156.