

Datasheet for ABIN5611338  
**anti-GRIN2B antibody (AA 27-163)**[Go to Product page](#)

## 6 Images

## Overview

Quantity:	0.1 mg
Target:	GRIN2B
Binding Specificity:	AA 27-163
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GRIN2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

## Product Details

Immunogen:	Purified recombinant fragment of human GRIN2B (AA: extra 27-163) expressed in E. coli.
Clone:	6E9A8
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	GRIN2B
Alternative Name:	GRIN2B ( <a href="#">GRIN2B Products</a> )
Background:	Description: N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate

## Target Details

receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain.

Aliases: MRD6, NR2B, hNR3, EIEE27, GluN2B, NMDAR2B

Molecular Weight: 166.4 kDa

Gene ID: 2904

HGNC: 2904

Pathways: [Response to Growth Hormone Stimulus](#), [Synaptic Membrane](#), [Feeding Behaviour](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:100 - 1:500, FCM: 1:200 - 1:400, IHC: N/A

Restrictions: For Research Use only

## Handling

Format: Liquid

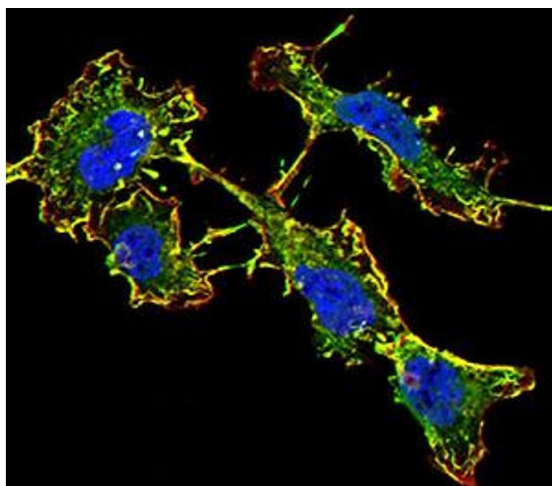
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

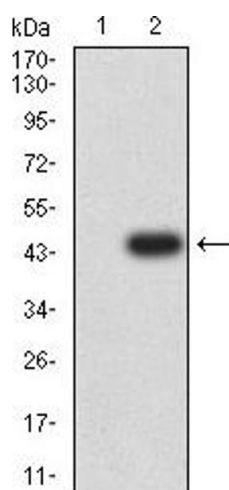
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



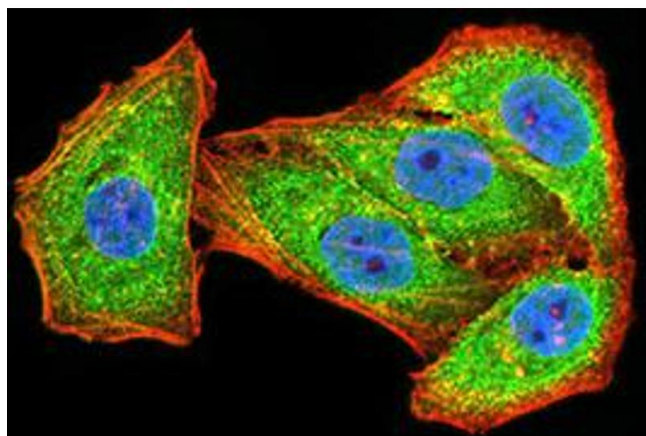
#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of SK-N-SH cells using GRIN2B 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 GRIN2B mAb against HEK293 (1) and GRIN2B (AA: extra 27-163)-hlgGfc transfected HEK293 (2) cell lysate.



#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells using GRIN2B 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)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5611338.