Datasheet for ABIN1881390

# anti-GRIN2C antibody (AA 567-595)

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## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | GRIN2C |
| Binding Specificity: | AA 567-595 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GRIN2C antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | This GRIN2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 567-595 amino acids from the Central region of human GRIN2C. |
| Clone: | RB40514 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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| Target: | GRIN2C |
| Alternative Name: | GRIN2C (GRIN2C Products) |
| Background: | N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA |

## Target Details

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| | 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 the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C), and NMDAR2D (GRIN2D). [provided by RefSeq]. |
| Molecular Weight: | 134209 |
| NCBI Accession: | NP_000826 |
| UniProt: | Q14957 |
| Pathways: | Synaptic Membrane |

## Application Details

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| Application Notes: | WB: 1:1000 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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 |
| Expiry Date: | 6 months |

## Publications

| | |
|---|---|
| Product cited in: | Sun, Sun, Chen, Liao, He, Wang, Chen, Hu, Qiu: "microRNA-27b shuttled by mesenchymal stem cell-derived exosomes prevents sepsis by targeting JMJD3 and downregulating NF-κB signaling pathway." in: **Stem cell research & therapy**, Vol. 12, Issue 1, pp. 14, (2021) (PubMed).<br><br>Reithmair, Buschmann, Märte, Kirchner, Hagl, Kaufmann, Pfob, Chouker, Steinlein, Pfaffl, Schelling: "Cellular and extracellular miRNAs are blood-compartment-specific diagnostic targets in sepsis." in: **Journal of cellular and molecular medicine**, Vol. 21, Issue 10, pp. 2403-2411, ( |

## Publications

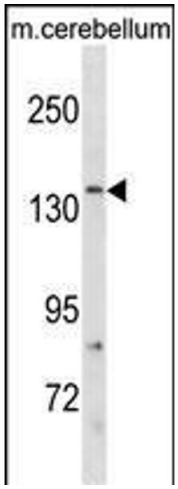
2018) (PubMed).

Youn, Friesen, Kishimoto, Henne, Kurat, Ye, Ceccarelli, Sicheri, Kohlwein, McMahon, Andrews: " Dissecting BAR domain function in the yeast Amphiphysins Rvs161 and Rvs167 during endocytosis." in: **Molecular biology of the cell**, Vol. 21, Issue 17, pp. 3054-69, (2010) (PubMed).

Qian, Shi, Pang, Wu, Yu, Li, Wang, Zhou: "[Identification and expression of two new secretory proteins associated with prostate cancer]." in: **Yi chuan = Hereditas / Zhongguo yi chuan xue hui bian ji**, Vol. 32, Issue 3, pp. 235-41, (2010) (PubMed).

Hwangbo, Kim, Lee, Lee: "Activation of the integrin effector kinase focal adhesion kinase in cancer cells is regulated by crosstalk between protein kinase Calpha and the PDZ adapter protein mda-9/Syntenin." in: **Cancer research**, Vol. 70, Issue 4, pp. 1645-55, (2010) (PubMed).

## Images




**Western Blotting**

**Image 1.** GRIN2C Antibody (Center) (ABIN1881390 and ABIN2838774) western blot analysis in mouse cerebellum tissue lysates (35 µg/lane).This demonstrates the GRIN2C antibody detected the GRIN2C protein (arrow).