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(818)-707-0392 (Fax)
order@abiocode.com
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GRIN1 (N) Antibody, Rabbit Polyclonal

Cat#: R1450-1

Quantity: 100 ul

Predicted | Observed M.W.: 105 | 120 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q05586

Background:

Glutamate receptor ionotropic, NMDA 1 (GRIN1) belongs to the glutamate-gated ion channel (TC 1.A.10.1) family and the NR1/GRIN1 subfamily. GRIN1 is an NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. GRIN1 is mediated by glycine, and this protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. GRIN1 mediates neuronal functions in glutamate neurotransmission, and it is also involved in the cell surface targeting of NMDA receptors.

Other Names:

Glutamate receptor ionotropic, NMDA 1, GluN1, Glutamate [NMDA] receptor subunit zeta-1
N-methyl-D-aspartate receptor subunit NR1, NMD-R1, NMDAR1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human GRIN1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

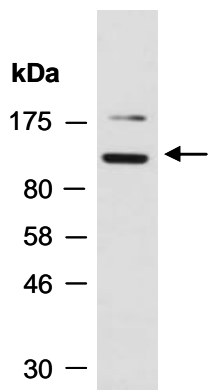


Fig 1. Western blot of total cell extracts from mouse brain, using anti- GRIN1 (N) (R1450-1) at RT for 2 h.