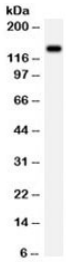
NMDAR2C Antibody (R32230)

Catalog No.	Formulation	Size
R32230	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q14957
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This NMDAR2C antibody is available for research use only.



Western blot testing of rat brain lysate with NMDAR2C antibody. Expected/observed molecular weight ~134 kDa.

Description

NMDAR2C, known as GRIN2C, is mapped to 17q25.1. Glutamate [NMDA] receptor subunit epsilon-3 is a protein that in humans is encoded by the GRIN2C gene. NMDA receptors are found in the central nervous system, are permeable to cations and have an important role in physiological processes such as learning, memory, and synaptic development. The receptor is a tetramer of different subunits (typically heterodimer of subunit 1 with one or more of subunits 2A-D), forming a channel that is permeable to calcium, potassium, and sodium, and whose properties are determined by subunit composition. Alterations in the subunit composition of the receptor are associated with pathophysiological conditions such as Parkinson's disease, Alzheimer's disease, depression, and schizophrenia. Alternative splicing results in multiple

transcript variants.

Application Notes

Optimal dilution of the NMDAR2C antibody should be determined by the researcher.

Immunogen

Amino acids 43-242 of human NMDAR2C were used as the immunogen for the NMDAR2C antibody.

Storage

After reconstitution, the NMDAR2C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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