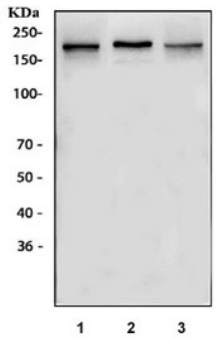
NMDAR2B Antibody (R32209)

Catalog No.	Formulation	Size
R32209	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
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	Q13224
Applications	Western blot : 0.5-1ug/ml
Limitations	This NMDAR2B antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat C6 and 3) mouse brain lysate with NMDAR2B antibody. Expected molecular weight ~166 kDa but may be observed at higher molecular weights due to glycosylation.

Description

The N-methyl-D-aspartate receptor 2B (NMDAR2B), also names as GRIN2B. The sequence of the predicted 1,484-amino acid human protein is 98% and 96% identical to the sequences of the rat and mouse Nmdar2b proteins, respectively. Nmdar2B gene is located on mouse chromosome 6 between Rho and Ly49 centromerically and Glb telomerically. Mapping of the human NMDAR2B receptor subunit gene (GRIN2B) to chromosome 12p12 overexpression of NMDA receptor 2B (NR2B)

in the forebrains of transgenic mice leads to enhanced activation of NMDA receptors, facilitating synaptic potentiation in response to stimulation at 10-100 Hz.

Application Notes

Optimal dilution of the NMDAR2B antibody should be determined by the researcher.

Immunogen

Amino acids 1076-1332 of human NMDAR2B were used as the immunogen for the NMDAR2B antibody.

Storage

After reconstitution, the NMDAR2B 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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