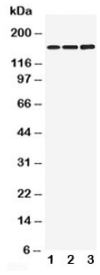
NMDAR2B Antibody (R30240)

Catalog No.	Formulation	Size
R30240	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, 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/thimerosal
UniProt	Q13224
Gene ID	2904
Applications	Western blot: 0.5-1ug/ml
Limitations	This NMDAR2B antibody is available for research use only.



Western blot testing of NMDAR2B antibody and Lane 1: rat brain; 2: mouse brain; 3: human U87 cell lysate. Predicted molecular weight ~166kDa.

Description

The N-methyl-D-aspartate receptor 2B is also called 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 proteins, respectively. The gene is located on mouse chromosome 6 between Rho and Ly49 centromerically and Glb telomerically. Overexpression of NMDAR2B 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

The stated application concentrations are suggested starting amounts. Titration of the NMDAR2B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 1307-1320 (FVDLQKEEAALAPR) were used as the immunogen for this NMDAR2B antibody (100% homologous in human, mouse and rat).

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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