

Product Name: NMDAR2B Rabbit Monoclonal Antibody**Catalog #: AMRe86655**

For research use only.

Summary

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|----------------------|--|
| Description | Recombinant rabbit monoclonal antibody |
| Host | Rabbit |
| Application | WB |
| Reactivity | Human, Mouse, Rat |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt. |
| Purification | Affinity Purification |

Application

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|-------------------------|--|
| Dilution Ratio | WB 1:500-1:2000 |
| Molecular Weight | Calculated MW:166 kDa; Observed MW:166 kDa |

Antigen Information

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|--------------------------|--------------------------------------|
| Gene Name | NMDAR2B |
| Alternative Names | NR2B; GluN2B; Nmdar2b; AW490526 |
| Gene ID | 14812 |
| SwissProt ID | Q01097 |
| Immunogen | A synthetic peptide of mouse NMDAR2B |

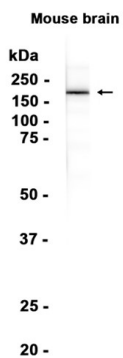
Background

NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. In concert with DAPK1 at extrasynaptic sites, acts as a central mediator for stroke damage. Its

phosphorylation at Ser-1303 by DAPK1 enhances synaptic NMDA receptor channel activity inducing injurious Ca^{2+} influx through them, resulting in an irreversible neuronal death.

Research Area

Image Data



Western blot analysis of extracts from Mouse brain tissue using NMDAR2B Rabbit Monoclonal Antibody at 1:1000.