


Anti-NMDAR2B (phospho Y1252) antibody ab18532

★★★★★ [3 Abreviews](#) [3 References](#) [2 Images](#)

Overview

Product name	Anti-NMDAR2B (phospho Y1252) antibody
Description	Rabbit polyclonal to NMDAR2B (phospho Y1252)
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab18532 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 166 kDa (predicted molecular weight: 166 kDa).

Target

Function

NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.

Tissue specificity

Primarily found in the fronto-parieto-temporal cortex and hippocampus pyramidal cells, lower expression in the basal ganglia.

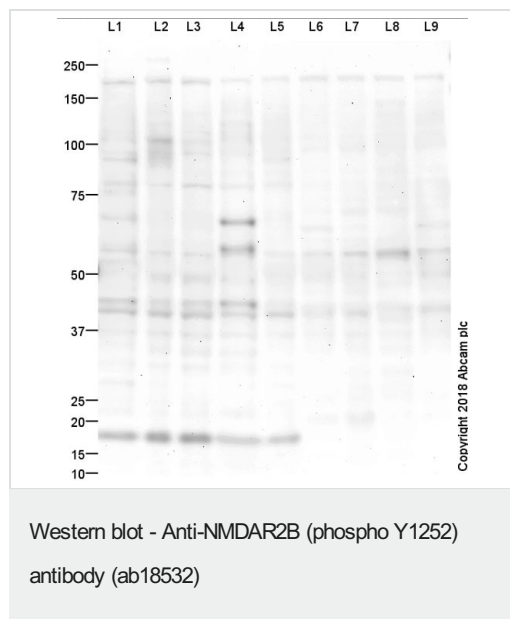
Sequence similarities

Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2B/GRIN2B subfamily.

Cellular localization

Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

Images



All lanes : ab18532 at 1 mg/ml

Lane 1 : Mouse Brain Tissue Lysate

Lane 2 : Mouse Fore-brain Tissue Lysate

Lane 3 : Mouse Cortex Tissue Lysate

Lane 4 : Mouse Cerebellum Tissue Lysate

Lane 5 : Mouse Hippo-campus Tissue Lysate

Lane 6 : Human Brain Tissue Lysate

Lane 7 : Human Cortex Tissue Lysate

Lane 8 : Human Cerebellum Tissue Lysate

Lane 9 : Human Hippo-campus Tissue Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

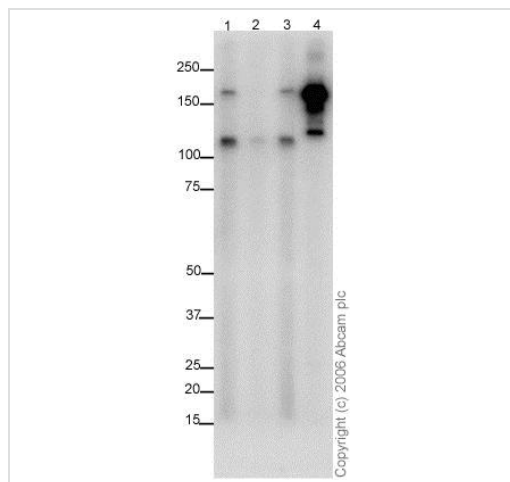
Performed under reducing conditions.

Predicted band size: 166 kDa

Observed band size: 166 kDa

Additional bands at: 18 kDa, 45 kDa, 60 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes



Western blot - Anti-NMDAR2B (phospho Y1252) antibody (ab18532)

This image is courtesy of Chris Anderson, Wellcome Trust Sanger Institute, United Kingdom

Lanes 1-3 : Anti-NMDAR2B (phospho Y1252) antibody (ab18532) at 3 µg/ml

Lane 4 : NR2B antibody (positive control)

Lane 1 : mouse cortical extract with Mouse NMDAR2B (unmodified) peptide (**ab19637**) at 2 µg/ml

Lane 2 : mouse cortical extract with Mouse NMDAR2B (phospho Y1252) peptide (**ab19636**) at 2 µg/ml

Lanes 3-4 : mouse cortical extract

Lysates/proteins at 20 µg per lane.

Predicted band size: 166 kDa

Observed band size: 166 kDa

Additional bands at: 115 kDa. We are unsure as to the identity of these extra bands.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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