


## Product datasheet

### Anti-NMDAR2A (phospho Y1325) antibody ab106590

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

#### Overview

<b>Product name</b>	Anti-NMDAR2A (phospho Y1325) antibody
<b>Description</b>	Rabbit polyclonal to NMDAR2A (phospho Y1325)
<b>Host species</b>	Rabbit
<b>Specificity</b>	Specific for the ~180k NMDAR2A protein phosphorylated at Tyr1325 in Western blots. Immunolabelling is completely blocked by preadsorption with the phosphopeptide but not by the corresponding dephosphopeptide.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Cow, Dog 
<b>Immunogen</b>	Synthetic peptide corresponding to NMDAR2A (C terminal). Database link: <a href="#">Q12879</a>
<b>Positive control</b>	Rat hippocampal lysate
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.50 Constituents: 0.01% BSA, 50% Glycerol, 0.87% Sodium chloride, 0.238% HEPES
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Prepared from rabbit serum by affinity purification via sequential chromatography on phospho- and dephospho-peptide affinity columns.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab106590 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	★ ★ ★ ★ ★ (1)	1/1000. Predicted molecular weight: 165 kDa.

## Target

### Function

NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits.

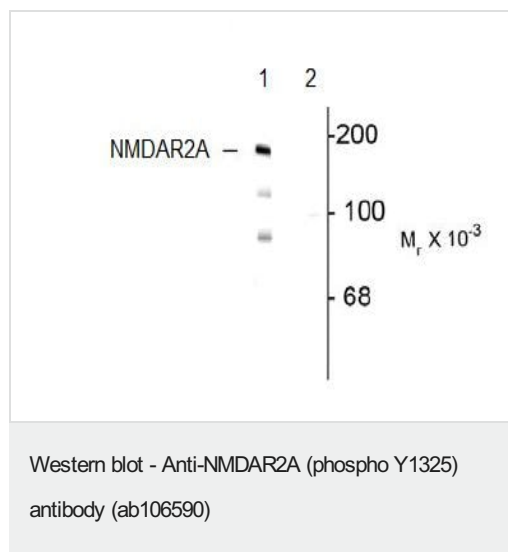
### Sequence similarities

Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2A/GRIN2A subfamily.

### Cellular localization

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

## Images



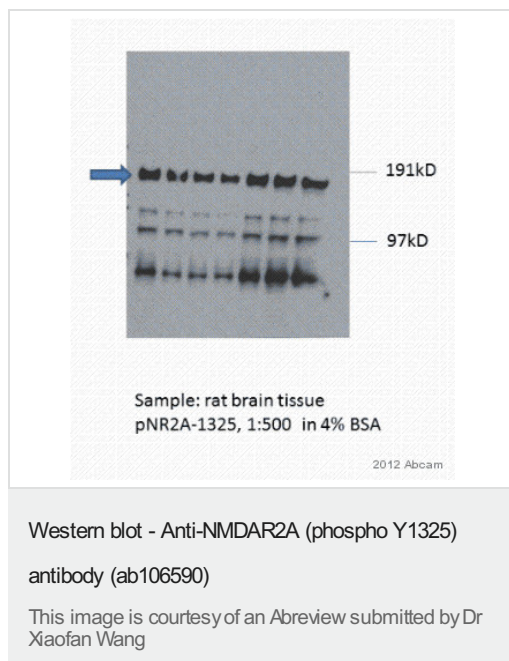
**All lanes :** Anti-NMDAR2A (phospho Y1325) antibody (ab106590)  
at 1/1000 dilution

**Lane 1 :** Rat hippocampal lysate

**Lane 2 :** Rat hippocampal lysate with preadsorption with the phospho-peptide

**Predicted band size:** 165 kDa

**Observed band size:** ~180 kDa



**All lanes :** Anti-NMDAR2A (phospho Y1325) antibody (ab106590) at 1/500 dilution

**All lanes :** Rat brain whole tissue lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** HRP Goat anti-rabbit IgG polyclonal at 1/2000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 165 kDa

**Observed band size:** 180 kDa

**Exposure time:** 1 minute

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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