


Product datasheet

Anti-GluN2D antibody ab35448

2 Abreviews 1 References 1 Image

Overview

Product name	Anti-GluN2D antibody
Description	Rabbit polyclonal to GluN2D
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Human 
Immunogen	Synthetic peptide corresponding to Human GluN2D aa 1300 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. Database link: O15399 (Peptide available as ab35447)
Positive control	This antibody gave a positive signal in Mouse Brain Tissue Lysate (day 0 and day 7) and Rat Brain Tissue Lysate (day 0 and day 7)
General notes	This product was previously labelled as Glutamate receptor ionotropic

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as

customer reviews and Q&As.

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS 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.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab35448** in the following tested applications.

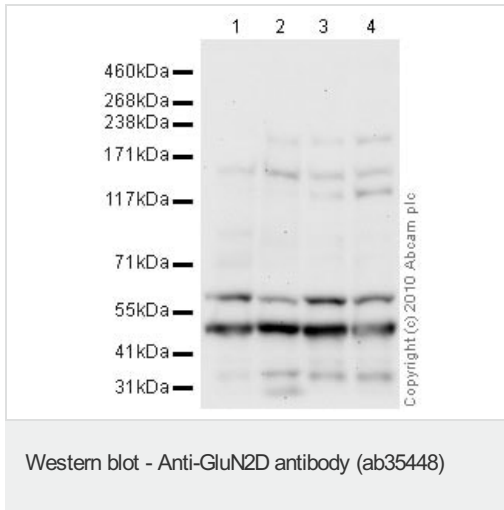
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 143 kDa (predicted molecular weight: 143 kDa).

Target

Function	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.
Sequence similarities	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2D/GRIN2D subfamily.
Cellular localization	Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

Images



All lanes : Anti-GluN2D antibody (ab35448) at 1 µg/ml

Lane 1 : Mouse brain tissue lysate - total protein (0 days) (ab7188)

Lane 2 : Brain (Mouse) Tissue Lysate, 7 days old

Lane 3 : Brain (Rat) Tissue Lysate, 0 Days old

Lane 4 : Brain (Rat) Tissue Lysate, 7 days old

Lysates/proteins at 20 µg per lane.

Secondary

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

Performed under reducing conditions.

Predicted band size: 143 kDa

Observed band size: 143 kDa

Additional bands at: ~200 kDa, 125 kDa, 45 kDa, 60 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

Ab35448 detects NR2D at the predicted MW of 143 kDa consistent with published data on NR2D protein (Dunah et al, 1996; 1998); we are unsure as to the identity of the lower bands.

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
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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