

Product datasheet

Anti-GluN2C antibody [EPR19094] ab182277

Recombinant RabMAb

★★★★★ 1 Abreviews 4 Images

Overview

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Anti-GluN2C antibody [EPR19094] |
| Description | Rabbit monoclonal [EPR19094] to GluN2C |
| Host species | Rabbit |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Mouse, Rat, Human, Recombinant fragment |
| Immunogen | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: Mouse GluN2C fragment recombinant protein; Mouse and rat cerebellum lysates; Human fetal brain lysate. |
| General notes | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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 long term. Avoid freeze / thaw cycle. |
| Storage buffer | <p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p> |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR19094 |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab182277 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. Detects a band of approximately 135 kDa (predicted molecular weight: 135 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

Mainly expressed in brain with predominant expression is in the cerebellum, also present in the hippocampus, amygdala, caudate nucleus, corpus callosum, subthalamic nuclei and thalamus. Detected in the heart, skeletal muscle and pancreas.

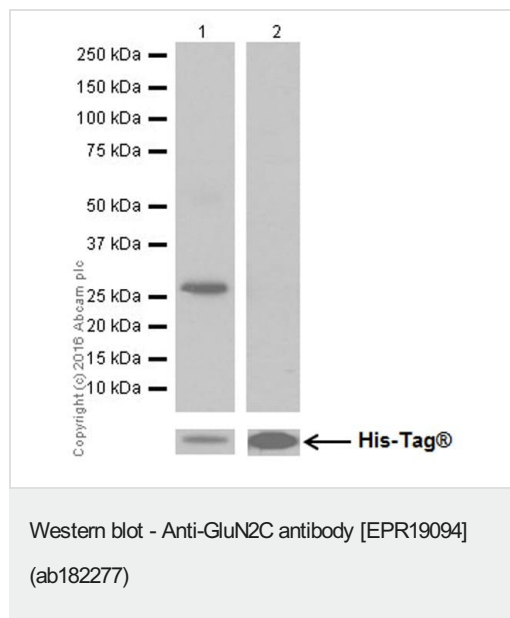
Sequence similarities

Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2C/GRIN2C subfamily.

Cellular localization

Cell membrane. Cell junction, synapse, postsynaptic cell membrane.

Images



All lanes : Anti-GluN2C antibody [EPR19094] (ab182277) at 1/2000 dilution

Lane 1 : Mouse GluN2C fragment recombinant protein

Lane 2 : Mouse NMDAR2D fragment recombinant protein

Lysates/proteins at 0.01 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

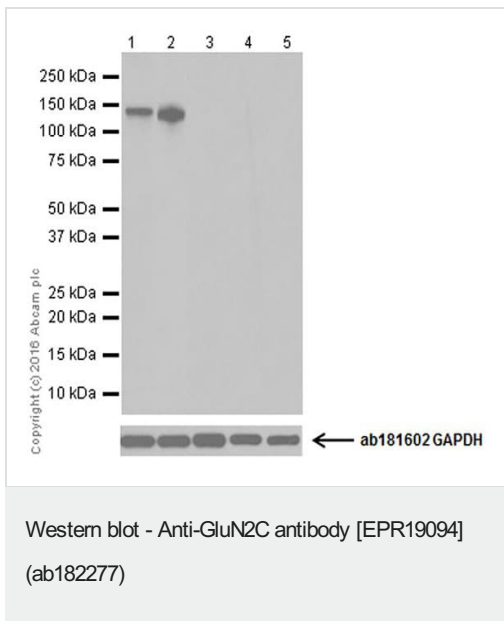
Predicted band size: 135 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane1: 1 second; Lane2: 3 minutes.

Mouse GluN2C fragment recombinant protein contains aa300-499 with a His-Tag®. NMDAR2D fragment recombinant protein

contains aa328-526 with a His-Tag®. These two recombinant proteins were made in-house.



All lanes : Anti-GluN2C antibody [EPR19094] (ab182277) at 1/1000 dilution

Lane 1 : Rat cerebellum lysate

Lane 2 : Mouse cerebellum lysate

Lane 3 : Mouse heart lysate

Lane 4 : Rat liver lysate

Lane 5 : Neuro-2a (Mouse neuroblastoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

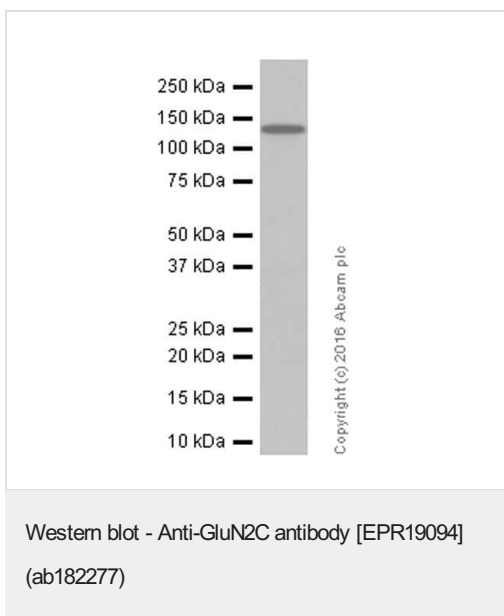
Predicted band size: 135 kDa

Observed band size: 135 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

The expression profile is consistent with what has been described in the literature (PMID: 8987814).



Anti-GluN2C antibody [EPR19094] (ab182277) at 1/1000 dilution + Human fetal brain lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 135 kDa

Observed band size: 135 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-GluN2C antibody [EPR19094] (ab182277)

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

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