

Product datasheet

Anti-GRID2 antibody [EPR15422] - N-terminal ab198499

Recombinant RabMAb

[1 References](#) [4 Images](#)

Overview

Product name	Anti-GRID2 antibody [EPR15422] - N-terminal
Description	Rabbit monoclonal [EPR15422] to GRID2 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Rat brain, Mouse brain, Human cerebellum, Human fetal brain and HeLa cell lysates.
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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15422
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab198499 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		1/5000. Detects a band of approximately 113 kDa (predicted molecular weight: 113 kDa).

Target

Function

Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists.

Sequence similarities

Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRID2 subfamily.

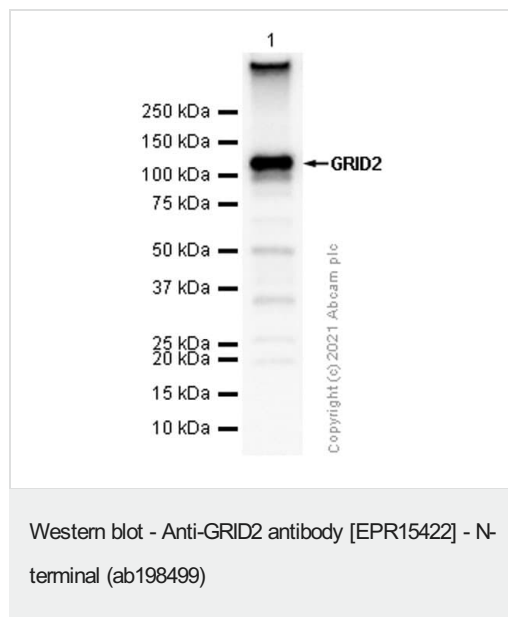
Domain

The PDZ-binding motif mediates interaction with GOPC.

Cellular localization

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

Images



Anti-GRID2 antibody [EPR15422] - N-terminal (ab198499) at 1/50000 dilution + Human cerebellum lysate (boiled) at 15 µg

Secondary

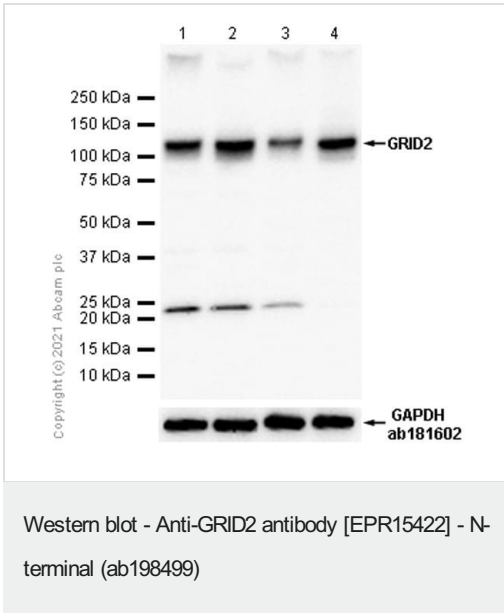
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 113 kDa

Observed band size: 113 kDa

Exposure time: 20 seconds

Blocking/Dilution buffer: 5% NFD/MBST.



All lanes : Anti-GRID2 antibody [EPR15422] - N-terminal (ab198499) at 1/5000 dilution

Lane 1 : Mouse brain lysate (boiled)

Lane 2 : Mouse brain lysate

Lane 3 : Rat brain lysate (boiled)

Lane 4 : Rat brain lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 113 kDa

Exposure time: 10 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

Anti-GRID2 antibody [EPR15422] - N-terminal (ab198499) at 1/5000 dilution + HeLa cell lysate at 10 µg

Secondary

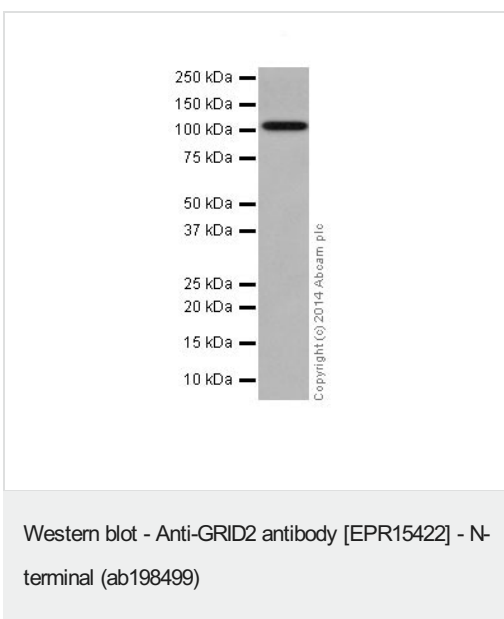
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 113 kDa


Observed band size: 113 kDa

Exposure time: 3 minutes



Blocking/Dilution buffer: 5% NFD/MTBST.

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-GRID2 antibody [EPR15422] - N-terminal (ab198499)

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

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