


Anti-NMDAR1 antibody [EPR2480Y] - Neuronal Marker ab68144

リコンビナント RabMAb

5 References [画像数 3](#)

製品の概要

製品名	Anti-NMDAR1 antibody [EPR2480Y] - Neuronal Marker
製品の詳細	Rabbit monoclonal [EPR2480Y] to NMDAR1 - Neuronal Marker
由来種	Rabbit
特異性	This antibody was raised against a phosphorylated peptide however the antibody recognises phosphorylated and non-phosphorylated protein.
アプリケーション	適用あり: WB 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Mouse brain lysate; human brain tissue
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Tissue culture supernatant

ポリ/モノ	モノクローナル
クローン名	EPR2480Y
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab68144の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

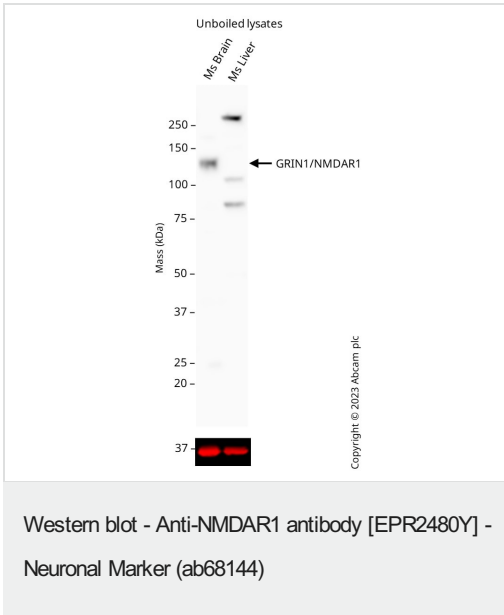
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/2000. Detects a band of approximately 105 kDa (predicted molecular weight: 105 kDa).

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal functions in glutamate neurotransmission. Is involved in the cell surface targeting of NMDA receptors.
配列類似性	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR1/GRIN1 subfamily.
翻訳後修飾	NMDA is probably regulated by C-terminal phosphorylation of an isoform of NR1 by PKC. Dephosphorylated on Ser-897 probably by protein phosphatase 2A (PPP2CB). Its phosphorylated state is influenced by the formation of the NMDAR-PPP2CB complex and the NMDAR channel activity.
細胞内局在	Cell membrane. Cell junction > synapse > postsynaptic cell membrane. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Enriched in post-synaptic plasma membrane and post-synaptic densities.

画像



All lanes : Anti-NMDAR1 antibody [EPR2480Y] - Neuronal Marker (ab68144) at 1/1000 dilution

Lane 1 : Mouse Brain (unboiled) cell lysate

Lane 2 : Mouse Liver (unboiled) cell lysate

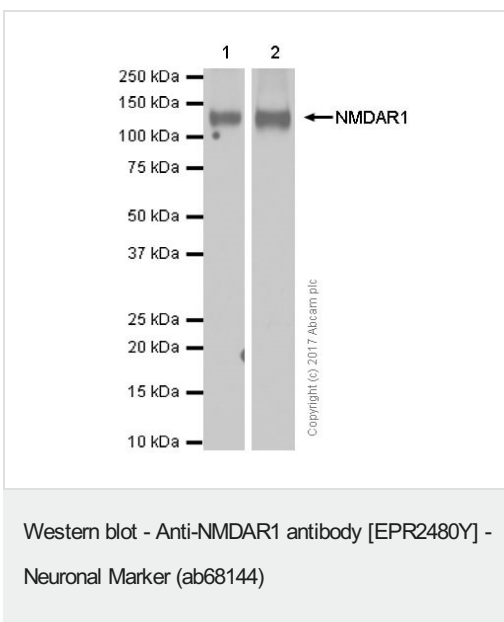
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 105 kDa

Observed band size: 120 kDa

Anti-GRIN1 antibody [EPR2480Y] (ab68144) staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab68144 was shown to bind specifically to GRIN1. First, unboiled samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were HRP conjugated Goat anti-Rabbit (H+L) and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.



All lanes : Anti-NMDAR1 antibody [EPR2480Y] - Neuronal Marker (ab68144) at 1/1000 dilution

Lane 1 : Human fetal brain cell lysate

Lane 2 : Human forebrain cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

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


Predicted band size: 105 kDa

Observed band size: 120 kDa

Exposure time: 30 seconds

Blocking/diluting 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-NMDAR1 antibody [EPR2480Y] - Neuronal Marker (ab68144)

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

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