

Product datasheet

Anti-NMDAR1 antibody [EPR2480Y] ab68144

リコンビナント RabMAb®

3 References 画像数 2

製品の概要

製品名	Anti-NMDAR1 antibody [EPR2480Y]
製品の詳細	Rabbit monoclonal [EPR2480Y] to NMDAR1
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, IP, IHC-P 適用なし: Flow Cyt or ICC
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human NMDAR1 (phospho S889). The exact sequence is proprietary. (Peptide available as ab168728)
ポジティブ・コントロール	Mouse brain lysate; human brain tissue
特記事項	

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#)

This product is a recombinant rabbit monoclonal antibody.

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, 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

Our [Abpromise guarantee](#) covers the use of **ab68144** in the following tested applications.

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

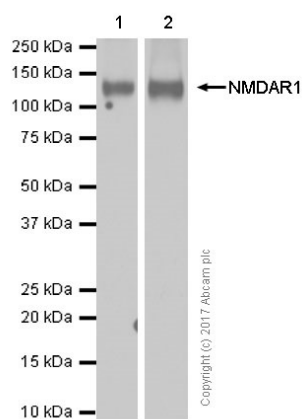
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/2000. Detects a band of approximately 105 kDa (predicted molecular weight: 105 kDa). Can be blocked with NMDAR1 peptide (ab168728) .
IP		1/30.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt or ICC.

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



Western blot - Anti-NMDAR1 antibody [EPR2480Y] (ab68144)

All lanes : Anti-NMDAR1 antibody [EPR2480Y] (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

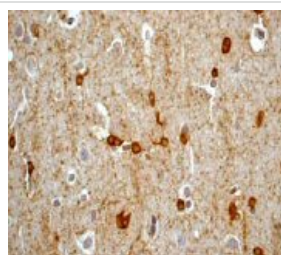
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 105 kDa

Observed band size: 120 kDa

Exposure time: 30 seconds

Blocking/diluting buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NMDAR1 antibody [EPR2480Y] (ab68144)

Immunohistochemical analysis of paraffin-embedded human brain tissue using ab68144 at a dilution of 1/100.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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