

## Product datasheet

# Anti-NMDAR1 antibody [EPR2480Y] ab68144

リコンビナント RabMAb®

1 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
アプリケーション	<b>適用あり:</b> WB, IP, IHC-P, ICC <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	A synthetic phosphopeptide corresponding to residues surrounding serine 889 of human NMDAR1
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 rabbit monoclonal antibody. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>

### 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	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
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 <a href="#">NMDAR1 peptide (ab168728)</a> .
IP		1/30.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC		1/100 - 1/250.

**追加情報** Is unsuitable for Flow Cyt.

### ターゲット情報

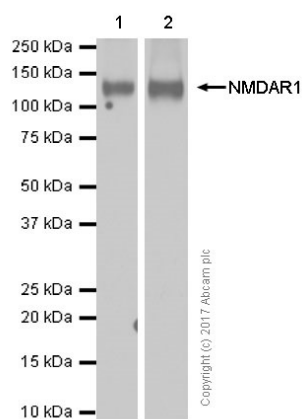
**機能** NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal 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**

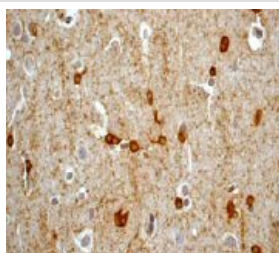
Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at  
1/20000 dilution

**Predicted band size :** 105 kDa

**Observed band size :** 120 kDa

**Exposure time :** 30 seconds

Blocking/diluting buffer: 5% NFD/MTBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - NMDAR1 (phospho S889)  
antibody [EPR2480Y] (ab68144)

Immunohistochemical analysis of paraffin-  
embedded human brain tissue using ab68144  
at a dilution of 1/100 - 1/250.

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

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