

## Product datasheet

# Anti-NMDAR1 antibody ab52177

★★★★☆ 2 Abreviews 7 References 画像数 2

### 製品の概要

製品名	Anti-NMDAR1 antibody
製品の詳細	Rabbit polyclonal to NMDAR1
由来種	Rabbit
特異性	ab52177 detects endogenous levels of total NMDAR1 protein.
アプリケーション	<b>適用あり:</b> ELISA, WB, IHC-P
種交差性	<b>交差種:</b> Rat, Human <b>交差が予測される動物種:</b> Mouse ▲
免疫原	Synthetic peptide within Human NMDAR1 aa 849-913. The exact sequence is proprietary. From around the phosphorylation site of serine 897 (R-S-S-K-D).
ポジティブ・コントロール	IHC-P: Human brain tissue. WB: A549, Y79 and Raji whole cell lysate.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 0.87% Sodium chloride, 50% Glycerol
精製度	Without Mg+2 and Ca+2 Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab52177** in the following tested applications.

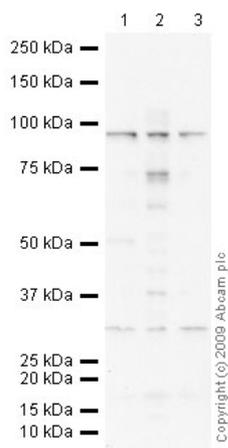
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		1/20000.
WB	★★★★☆	1/500 - 1/1000. Predicted molecular weight: 105 kDa.
IHC-P	★★★★★	Use at an assay dependent concentration.

## 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 (ab52177)

**All lanes :** Anti-NMDAR1 antibody (ab52177)

at 1/500 dilution

**Lane 1 :** A549 (Human lung adenocarcinoma epithelial cell line) whole cell lysate

**Lane 2 :** Y79 (Human retinoblastoma cell line) whole cell lysate

**Lane 3 :** Raji (Human Burkitt's lymphoma cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

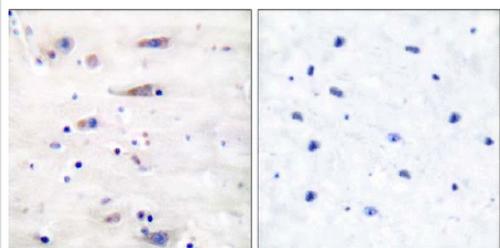
**All lanes :** Goat polyclonal to Rabbit IgG -

H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

**Predicted band size:** 105 kDa

**Observed band size:** 95 kDa

**Additional bands at:** 30 kDa, 75 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NMDAR1 antibody (ab52177)

ab52177 at 1/50 dilution staining NMDAR1 in human brain tissue by immunohistochemistry (paraffin embedded tissue) in the presence (right image) or absence (left image) of the immunizing peptide.

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