

## Product datasheet

# Anti-NMDAR1 (phospho S896) antibody ab75680

### 画像数 1

#### 製品の概要

製品名	Anti-NMDAR1 (phospho S896) antibody
製品の詳細	Rabbit polyclonal to NMDAR1 (phospho S896)
由来種	Rabbit
特異性	ab75680 detects endogenous levels of NMDAR1 only when phosphorylated at serine 896.
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human NMDAR1. (Peptide available as <a href="#">ab203399</a> )
ポジティブ・コントロール	Extract from MCF7 cells, untreated or treated with estradiol (100nM, 20min).
特記事項	This is the antibody for <a href="#">ab203399</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	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項 (精製)	ab75680 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
ポリクローナル	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 **ab75680** 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
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WB 1/500 - 1/1000. Detects a band of approximately 105 kDa (predicted molecular weight: 105 kDa). Can be blocked with [NMDAR1\(Phospho-Ser896\) antibody blocking peptide \(ab203399\)](#).

## ターゲット情報

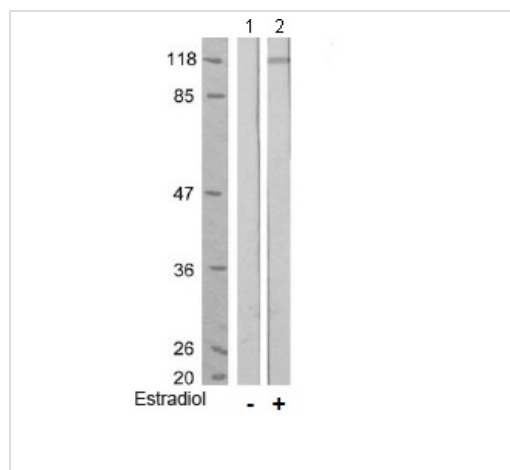
**機能** NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal 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 (phospho S896) antibody (ab75680) at 1/500 dilution

**Lane 1 :** MCF7 cell extracts, untreated

**Lane 2 :** MCF7 cell extracts, treated with estradiol (100nM, 20min)

**Predicted band size:** 105 kDa

**Observed band size:** 105 kDa

Western blot - Anti-NMDAR1 (phospho S896) antibody (ab75680)

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

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