

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.<br>(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<br>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<br>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

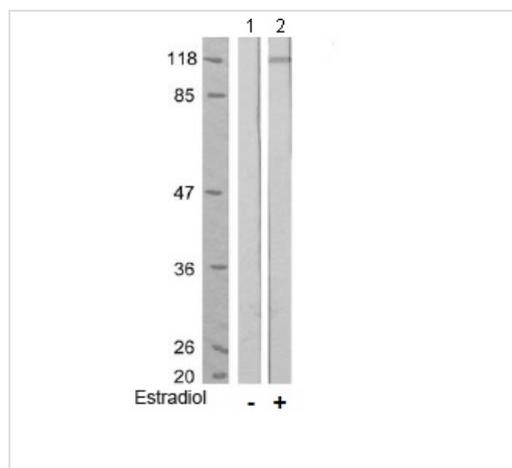
**機能** NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal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