


Anti-NMDAR1 antibody ab52177

★★★★★ [2 Abreviews](#) [18 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
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: 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).
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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 (glycerin, glycerine)
精製度	Without Mg+2 and Ca+2
ポリ/モノ	Immunogen affinity purified
アイソタイプ	ポリクローナル
	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab52177の使用に適用されます

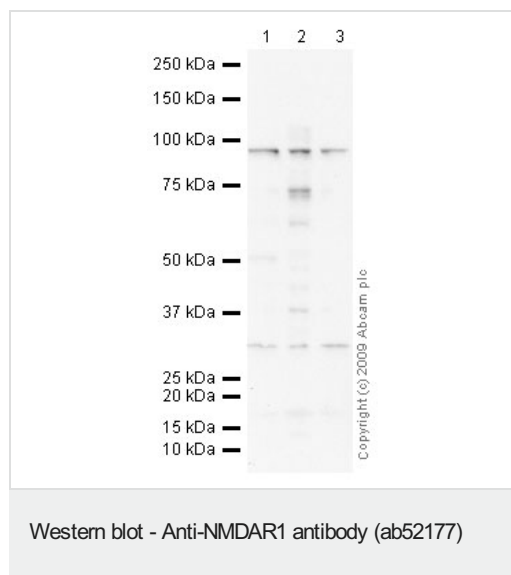
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (1)	1/500 - 1/1000. Predicted molecular weight: 105 kDa.
IHC-P	★★★★★ (1)	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



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.

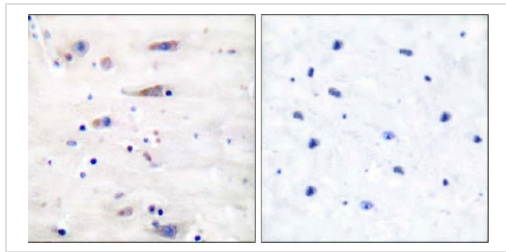
Secondary

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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