abcam

Product datasheet

Anti-NMDAR2A + 2B (phospho Y1246 + Y1252) antibody ab62436

画像数 2

製品の概要

製品名	Anti-NMDAR2A + 2B (phospho Y1246 + Y1252) antibody
製品の詳細	Rabbit polyclonal to NMDAR2A + 2B (phospho Y1246 + Y1252)
由来種	Rabbit
特異性	This antibody detects endogenous levels of NMDA or NR2A/B only when phosphorylated at tyrosine 1246/1252.
アプリケーション	**適用あり:** IHC-P, ICC/IF, ELISA
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat
免疫原	Synthetic phosphopeptide derived from human NMDA or NR2A/B around the phosphorylation site of tyrosine 1246/1252 (N-L-Y^{P}-D-I).
ポジティブ・コントロール	Humna brain tissue; HuvEc cells

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	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4 Without Mg^{2+} and Ca^{2+}
精製度	Immunogen affinity purified
特記事項（精製）	This antibody 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/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 **ab62436** 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
IHC-P		1/50 - 1/100.
ICC/IF		1/500 - 1/1000.
ELISA		1/10000.

ターゲット情報

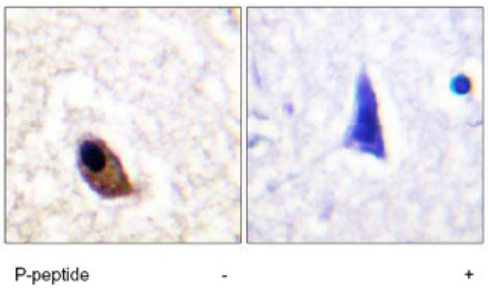
機能 NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits.

関連疾患 Defects in GRIN2A are the cause of epilepsy with neurodevelopmental defects (EPND) [MIM:613971]. EPND is a neurodevelopmental defect characterized by mental retardation, with behavioral problems, associated with epilepsy, learning difficulties and variable degree of cognitive impairment. Note=A chromosomal aberration involving GRIN2A has been found in a family with epilepsy and neurodevelopmental defects. Translocation t(16;17)(p13.2;q11.2). Note=GRIN2A somatic mutations have been frequently found in cutaneous malignant melanoma, suggesting that the glutamate signaling pathway may play a role in the pathogenesis of melanoma (PubMed:21499247).

配列類似性 Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2A/GRIN2A subfamily.

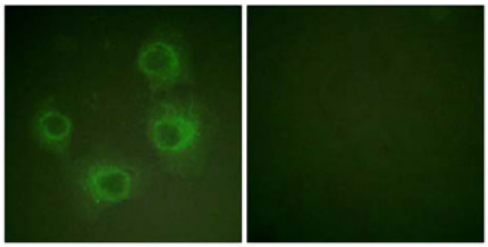
細胞内局在 Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NMDAR2A + 2B (phospho Y1246 + Y1252) antibody (ab62436)

Immunohistochemical analysis of paraffin embedded human brain tissue using ab62436 at 1/50 dilution, in the presence (right) or absence (left) of immunising phosphopeptide.



Immunocytochemistry/ Immunofluorescence - Anti-NMDAR2A + 2B (phospho Y1246 + Y1252) antibody (ab62436)

Immunofluorescent analysis of HuvEc cells using ab62436 at 1/500 dilution, in the presence (right) or absence (left) of immunising phosphopeptide.

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