


Product datasheet

Anti-Ionotropic Glutamate receptor 4 antibody ab77407

1 References [画像数 1](#)

製品の概要

製品名	Anti-Ionotropic Glutamate receptor 4 antibody
製品の詳細	Goat polyclonal to Ionotropic Glutamate receptor 4
由来種	Goat
特異性	ab77407 is expected to recognise all three reported isoforms (NP_000820.3; NP_001070711.1; NP_001070712.1).
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Chicken, Cow, Dog, Chimpanzee, Cynomolgus monkey, Rhesus monkey 
免疫原	Synthetic peptide: C-KKLDQREYPGSETP , corresponding to internal sequence amino acids 280-293 of Human Ionotropic Glutamate receptor 4 (NP_000820.3; NP_001070711.1; NP_001070712.1). Run BLAST with Run BLAST with
ポジティブ・コントロール	Human brain (cerebellum) lysate.

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: 0.5% BSA, Tris saline, pH 7.3
精製度	Immunogen affinity purified
特記事項 (精製)	ab77407 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
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 **ab77407** 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

ELISA

追加情報

Peptide ELISA: Antibody detection limit dilution 1/128000.

WB: Use at a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 101 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist.

配列類似性

Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA4 subfamily.

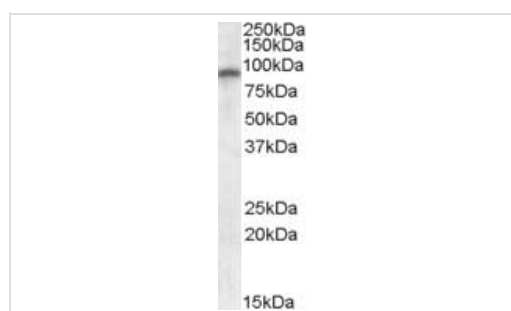
翻訳後修飾

Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-611 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-837 palmitoylation does not affect cell surface expression but regulates stimulation-dependent endocytosis.

細胞内局在

Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

画像



Western blot - Anti-Ionotropic Glutamate receptor 4 antibody (ab77407)

Anti-Ionotropic Glutamate receptor 4 antibody (ab77407) at 0.3 µg/ml + human cerebellum lysate in RIPA buffer at 35 µg

Predicted band size: 101 kDa

Observed band size: 90 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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