

Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] ab40845

重组 RabMAb

19 References 4 图像

概述

产品名称	Anti-Glutamate receptor 3/GluA3抗体[EP813Y]
描述	兔单克隆抗体[EP813Y] to Glutamate receptor 3/GluA3
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt, IHC-P or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Glutamate receptor 3/GluA3 aa 250-350. The exact sequence is proprietary. Database link: P42263
阳性对照	WB: Human brain tissue lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP813Y

同种型

IgG

应用

The Abpromise guarantee Abpromise™ 承诺保证使用ab40845于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/5000. Detects a band of approximately 95 kDa (predicted molecular weight: 99 kDa).

应用说明

Is unsuitable for Flow Cyt, IHC-P or IP.

靶标

功能

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.

疾病相关

Defects in GRIA3 are the cause of mental retardation X-linked type 94 (MRX94) [MIM:300699]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptive behavior and manifested during the developmental period. MRX94 patients have moderate mental retardation. Other variable features are macrocephaly, seizures, myoclonic jerks, autistic behavior, asthenic body habitus, distal muscle weakness and hyporeflexia.

序列相似性

Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA3 subfamily.

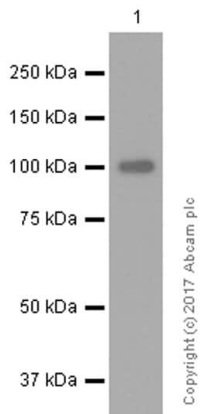
翻译后修饰

Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-621 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-847 palmitoylation does not affect cell surface expression but regulates stimulation-dependent endocytosis.

细胞定位

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

图片



Western blot - Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845)

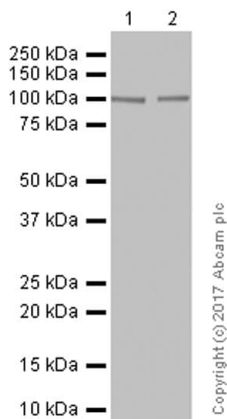
Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845) at 1/1000 dilution (purified) + Human hippocampus lysates at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 99 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845)

All lanes : Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845) at 1/2000 dilution (purified)

Lane 1 : Mouse hippocampus lysates

Lane 2 : Rat brain lysates

Lysates/proteins at 20 µg per lane.

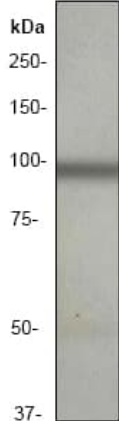
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 99 kDa

Observed band size: 100 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845) at 1/5000 dilution + human brain lysate at 10 µg

Predicted band size: 99 kDa

Observed band size: 95 kDa

Western blot - Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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