

Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] - BSA and Azide free ab232430

重组 RabMAb

2 图像

概述

| | |
|-------|---|
| 产品名称 | Anti-Glutamate receptor 3/GluA3抗体[EP813Y] - BSA and Azide free |
| 描述 | 兔单克隆抗体[EP813Y] to Glutamate receptor 3/GluA3 - BSA and Azide free |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB |
| 种属反应性 | 与反应: Mouse, Rat, Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | WB: Human brain lysate. |
| 常规说明 | ab232430 is the carrier-free version of ab40845 . |

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

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

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|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| 存储溶液 | pH: 7.2 Constituent: PBS |
| 无载体 | 是 |
| 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ab232430于以下的经测试应用

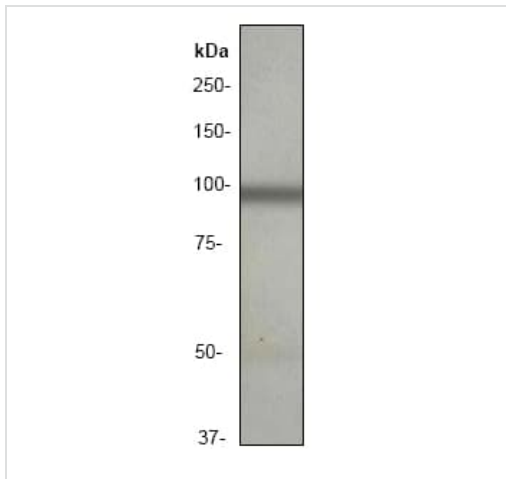
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|----|------|--|
| WB | | Use at an assay dependent concentration. Detects a band of approximately 95 kDa (predicted molecular weight: 101 kDa). |

靶标

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| 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



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





Predicted band size: 101 kDa

Observed band size: 95 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab40845](#)).

Western blot - Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] - BSA and Azide free ([ab232430](#))

Why choose a recombinant antibody?

| | |
|---|---|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] - BSA and Azide free ([ab232430](#))

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

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