

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

リコンビナント **RabMAb**

**19 References**   **画像数 4**

### 製品の概要

製品名	Anti-Glutamate receptor 3/GluA3 antibody [EP813Y]
製品の詳細	Rabbit monoclonal [EP813Y] to Glutamate receptor 3/GluA3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> Flow Cyt, IHC-P or IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human Glutamate receptor 3/GluA3 aa 250-350. The exact sequence is proprietary. Database link: <a href="#">P42263</a>
ポジティブ・コントロール	WB: Human brain tissue lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP813Y

アイソタイプ

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ab40845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		1/1000 - 1/5000. Detects a band of approximately 95 kDa (predicted molecular weight: 99 kDa).

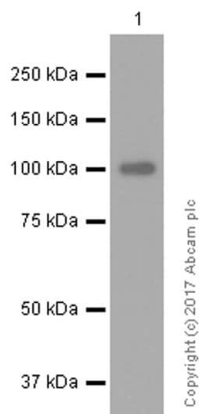
追加情報

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

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.
関連疾患	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 adaptative 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.
配列類似性	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA3 subfamily.
翻訳後修飾	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.
細胞内局在	Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

画像



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

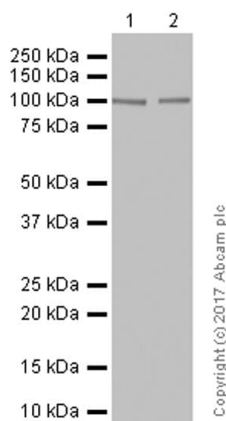
Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845) at 1/1000 dilution (purified) + Human hippocampus lysates at 20 µg

### 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.

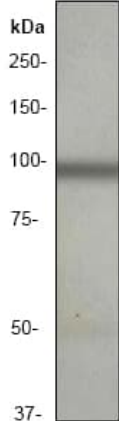
### Secondary

**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"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors