


# Anti-Glutamate Receptor 1 (AMPA subtype) antibody ab116616

## 1 图像

### 概述

<b>产品名称</b>	Anti-Glutamate Receptor 1 (AMPA subtype)抗体
<b>描述</b>	山羊多克隆抗体to Glutamate Receptor 1 (AMPA subtype)
<b>宿主</b>	Goat
<b>特异性</b>	ab116616 is expected to recognize both reported isoforms (NP_000818.2; NP_001107655.1).
<b>经测试应用</b>	<b>适用于:</b> WB
<b>种属反应性</b>	<b>与反应:</b> Human <b>预测可用于:</b> Cow, Dog 
<b>免疫原</b>	Synthetic peptide: KIMQQWKNSDARD with a Cysteine residue linker, corresponding to internal sequence amino acids 265-277 of Human Glutamate Receptor 1 (AMPA subtype) (NP_000818.2; NP_001107655.1). <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	Human, Mouse and Rat brain cerebellum lysates.
<b>常规说明</b>	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.  If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	ab116616 is purified from Goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用 ab116616 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 a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 100 kDa (predicted molecular weight: 102 kDa). 1 hour primary incubation is recommended for this product.

## 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.

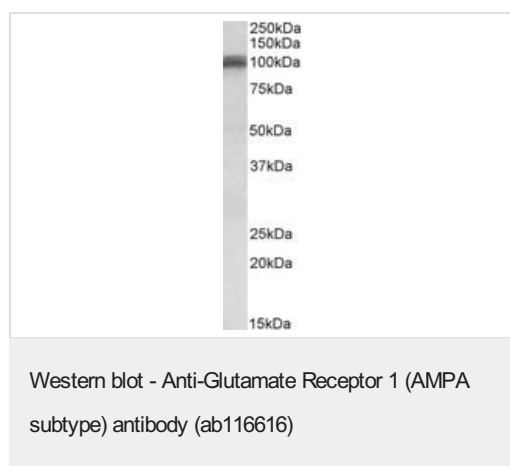
**组织特异性** Widely expressed in brain.

**序列相似性** Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA1 subfamily.

**翻译后修饰** Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-603 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-829 palmitoylation does not affect cell surface expression but regulates stimulation-dependent endocytosis.

**细胞定位** Cell membrane. Endoplasmic reticulum membrane. Cell junction > synapse > postsynaptic cell membrane. Interaction with CACNG2 promotes cell surface expression.

## 图片



Anti-Glutamate Receptor 1 (AMPA subtype) antibody (ab116616) at 0.1 µg/ml + Human Cerebellum lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

**Predicted band size:** 102 kDa

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