


Anti-Ionotropic Glutamate receptor 2 antibody ab20673

★★★★★ [1 Abreviews](#) [27 References](#) [2 图像](#)

概述

产品名称	Anti-Ionotropic Glutamate receptor 2抗体
描述	兔多克隆抗体to Ionotropic Glutamate receptor 2
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat 预测可用于: Chicken, Human 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 150 - 250 of Mouse GluR2 . 参阅Abcam的专有抗源政策 (Peptide available as ab25708 .)
常规说明	<p>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.</p> <p>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</p>

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab20673于以下的经测试应用

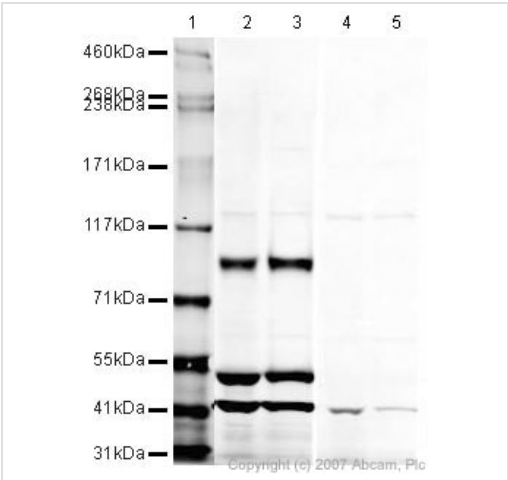
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 3 - 10 µg/ml. Detects a band of approximately 99 kDa (predicted molecular weight: 99 kDa).

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. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.
序列相似性	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA2 subfamily.
翻译后修饰	Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-610 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-836 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, CNIH2 and CNIH3 promotes cell surface expression.

图片



Western blot - Anti-Ionotropic Glutamate receptor 2 antibody (ab20673)

Lane 1 : Marker

Lanes 2-5 : Anti-Ionotropic Glutamate receptor 2 antibody (ab20673) at 1 µg/ml

Lane 2 : Brain (Mouse) Tissue Lysate at 10 µg

Lane 3 : Cortex (Mouse) Tissue Lysate at 10 µg

Lane 4 : Brain (Mouse) Tissue Lysate at 10 µg with Mouse Ionotropic Glutamate receptor 2 peptide (**ab25708**) at 1 µg/ml

Lane 5 : Cortex (Mouse) Tissue Lysate at 10 µg with Mouse Ionotropic Glutamate receptor 2 peptide (**ab25708**) at 1 µg/ml

Secondary

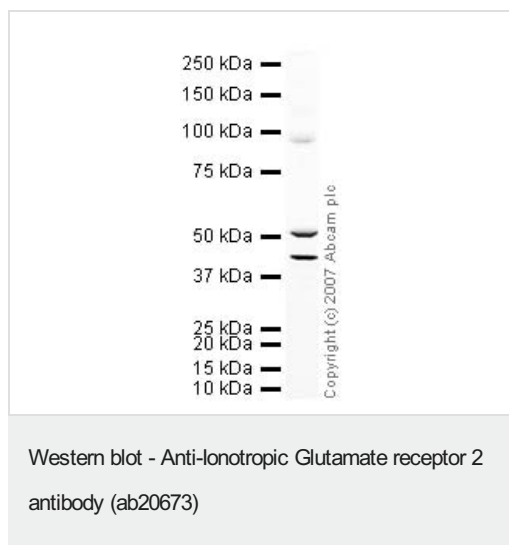
Lanes 2-5 : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 99 kDa

Observed band size: 99 kDa

Additional bands: The band observed at ~50KDa is consistent with the predicted size of Gria2 protein, for which GluR2 is the precursor. We are unsure as to the identity of the band at ~43KDa.



Anti-Ionotropic Glutamate receptor 2 antibody (ab20673) at 1 µg/ml
+ Brain (Rat) Tissue Lysate - normal tissue at 10 µg

Secondary

IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000
dilution

Predicted band size: 99 kDa

Observed band size: 99 kDa

Additional bands at: 43 kDa. We are unsure as to the identity of these extra bands.

The band observed at 50KDa is consistent with the predicted size of Gria2 protein, for which GluR2 is the precursor.

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

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