


Anti-CaMKII alpha antibody [6G9] ab22609

★★★★★ 6 Abreviews 78 References 2 图像

概述

产品名称	Anti-CaMKII alpha抗体[6G9]
描述	小鼠单克隆抗体[6G9] to CaMKII alpha
宿主	Mouse
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Cow 
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human, rat, and mouse whole brain tissue lysates; IHC-P: Rat normal brain FFPE tissue sections.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
纯度	Protein G purified
克隆	单克隆
克隆编号	6G9
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab22609于以下的经测试应用

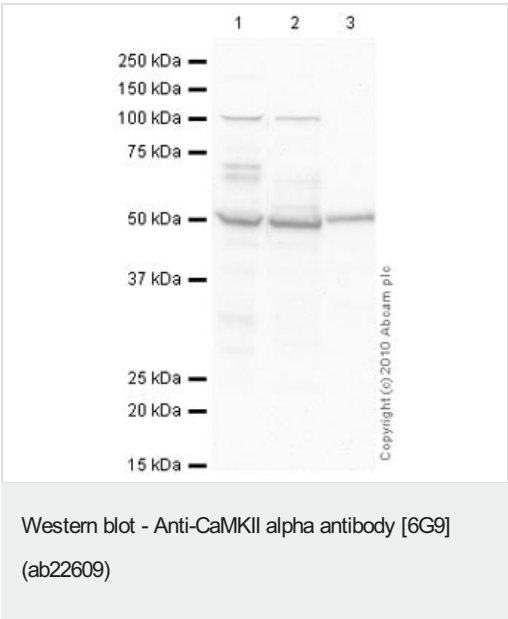
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
WB	★★★★☆ (4)	Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 56 kDa).

靶标

功能	CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.
序列相似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.
细胞定位	Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts.

图片



All lanes : Anti-CaMKII alpha antibody [6G9] (ab22609) at 10 µg/ml

- Lane 1 :** Brain (Rat) Tissue Lysate
- Lane 2 :** Brain (Mouse) Tissue Lysate
- Lane 3 :** Brain (Human) Tissue Lysate

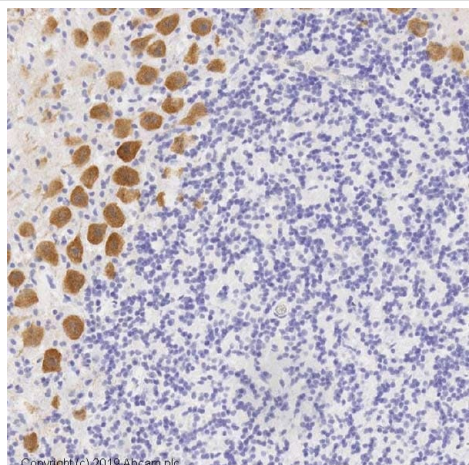
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/5000 dilution

Performed under reducing conditions.

Predicted band size: 56 kDa
Observed band size: 50 kDa
Additional bands at: 100 kDa, 65 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 5 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CaMKII alpha antibody [6G9] (ab22609)

IHC image of ab22609 staining in Rat normal brain (Purkinje cells, cerebellum) formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab22609, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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

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