


Anti-CaMKII alpha antibody [6G9] ab22609

★★★★★ [6 Abreviews](#) [78 References](#) [画像数 2](#)

製品の概要

製品名	Anti-CaMKII alpha antibody [6G9]
製品の詳細	Mouse monoclonal [6G9] to CaMKII alpha
由来種	Mouse
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Cow 
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human, rat, and mouse whole brain tissue lysates; IHC-P: Rat normal brain FFPE tissue sections.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	6G9
アイソタイプ	IgG1

アプリケーション

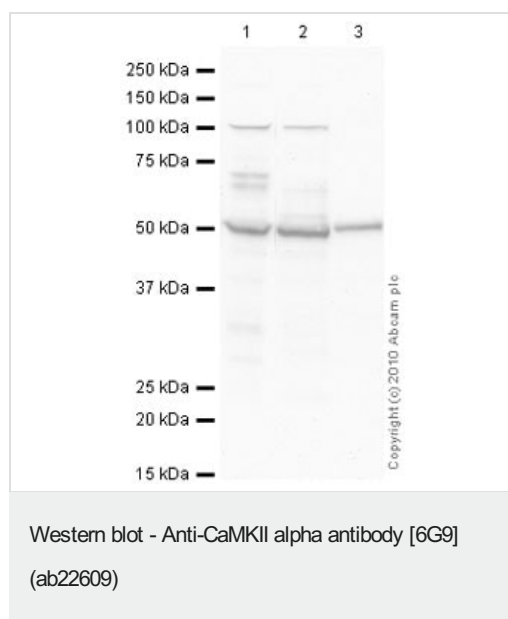
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab22609の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
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).

ターゲット情報

機能	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.
配列類似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.
細胞内局在	Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts.

画像



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

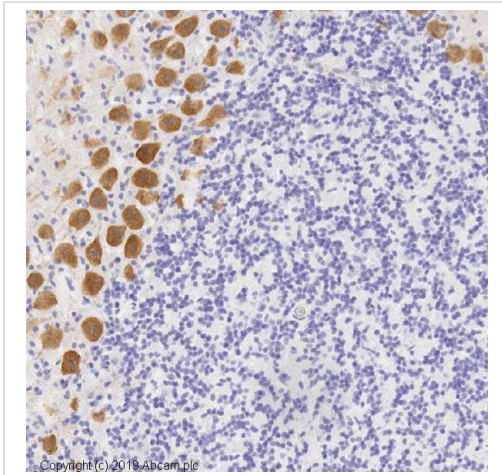
Performed under reducing conditions.

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



IHC image of ab22609 staining in Rat normal brain (Purkinje cells, cerebellum) formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ 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.

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

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