

Anti-CaMKII (phospho T286) antibody [22B1] ab171095

★★★★★ [2 Abreviews](#) [24 References](#) [5 图像](#)

概述

产品名称	Anti-CaMKII (phospho T286)抗体[22B1]
描述	小鼠单克隆抗体[22B1] to CaMKII (phospho T286)
宿主	Mouse
特异性	ab171095 detects the phosphorylated alpha subunit CaMKII only. It does not detect the non-phosphorylated alpha subunit CaMKII or the ~60 kDa beta subunit in either phosphorylation state.
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Rat CaMKII aa 281-294 (phospho T286). Sequence: HRQETVDCLKKFN Database link: P11275 Run BLAST with Run BLAST with
阳性对照	Neuro-2a, C6, HeLa or U251 cells, Rat brain lysate.
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 long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 99% PBS
纯度	Protein G purified
克隆	单克隆

克隆编号	22B1
同种型	IgG1

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab171095于以下的经测试应用

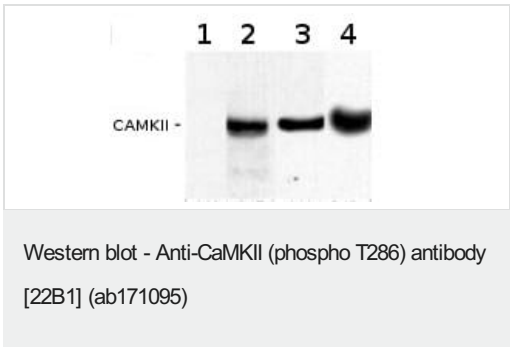
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/2000. Predicted molecular weight: 54 kDa.
ICC/IF		1/100.

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



Lanes 1-2 : Anti-CaMKII (phospho T286) antibody [22B1] (ab171095) at 1/2000 dilution

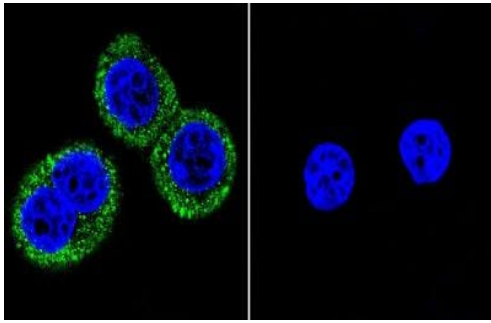
Lanes 3-4 : A non phosphorylated CaMKII antibody at 1/2000 dilution

Lane 1 : Unphosphorylated rat brain homogenate

Lanes 2 & 4 : Phosphorylated Rat brain homogenate

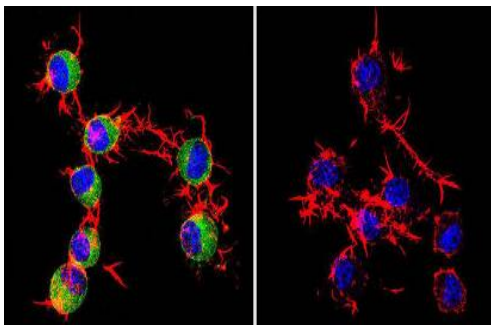
Lane 3 : Unphosphorylated Rat brain homogenate

Predicted band size: 54 kDa



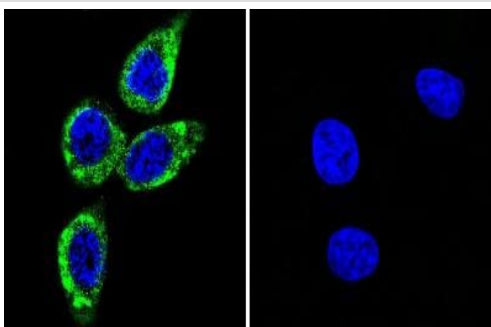
Immunofluorescence analysis of U251 (human) cells labeling phosphorylated CaMKII (green) with ab171095 at a 1/100 dilution. Nuclei are stained (blue).

Immunocytochemistry/ Immunofluorescence - Anti-CaMKII (phospho T286) antibody [22B1] (ab171095)



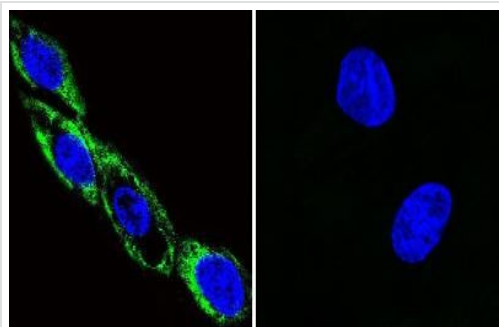
Immunofluorescence analysis of Neuro-2 (mouse) cells (left image) or cells stimulated with Lambda-phosphatase (right image) labeling phosphorylated CaMKII (green) with ab171095 at a 1/50 dilution. F-actin (red) and nuclei (blue).

Immunocytochemistry/ Immunofluorescence - Anti-CaMKII (phospho T286) antibody [22B1] (ab171095)



Immunofluorescence analysis of HeLa cells labeling phosphorylated CaMKII (green) with ab171095 at a 1/50 dilution. Nuclei are stained (blue).

Immunocytochemistry/ Immunofluorescence - Anti-CaMKII (phospho T286) antibody [22B1] (ab171095)



Immunofluorescence analysis of C6 cells labeling phosphorylated CaMKII (green) with ab171095 at a 1/100 dilution. Nuclei are stained (blue).

Immunocytochemistry/ Immunofluorescence - Anti-CaMKII (phospho T286) antibody [22B1] (ab171095)

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