


Anti-CaMKII antibody [EPR6685(B)] ab126789

重组 RabMAb

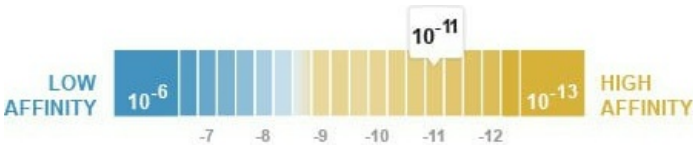
4 图像

概述

产品名称	Anti-CaMKII抗体[EPR6685(B)]
描述	兔单克隆抗体[EPR6685(B)] to CaMKII
宿主	Rabbit
特异性	The peptide immunogen shares a 100% homology with CaMKII alpha, gamma and delta therefore we believe cross-reactivity is highly likely but this has not been experimentally assessed.
经测试应用	适用于: Flow Cyt (Intra), WB 不适用于: ICC/IF,IHC-P or IP
种属反应性	与反应: Rat, Human 预测可用于: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human pancreas, fetal kidney, HeLa, Jurkat, SH SY5Y, BxPC3 and C6 lysates; Permeabilized C6 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 2.60 x 10 ⁻¹¹ M



[Learn more about K_p](#)

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR6685(B)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab126789 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。

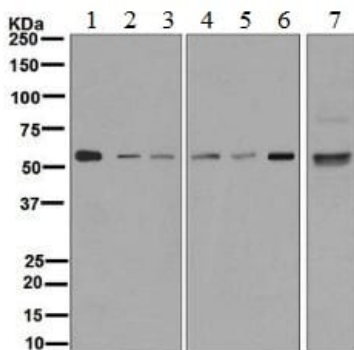
应用	Ab 评论	说明
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 45-70 kDa (predicted molecular weight: 51-73 kDa).

应用说明 Is unsuitable for ICC/IF, IHC-P or IP.

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



Western blot - Anti-CaMKII antibody [EPR6685(B)] (ab126789)

All lanes : Anti-CaMKII antibody [EPR6685(B)] (ab126789) at 1/1000 dilution

Lane 1 : Human pancreas lysate

Lane 2 : Human fetal kidney tissue lysate

Lane 3 : HeLa cell lysate

Lane 4 : Jurkat lysate

Lane 5 : SH-SY5Y cell lysate

Lane 6 : BxPC-3 cell lysate

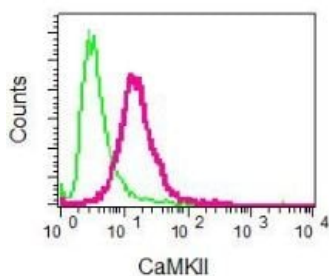
Lane 7 : C6 lysate

Lysates/proteins at 10 µg per lane.

Secondary

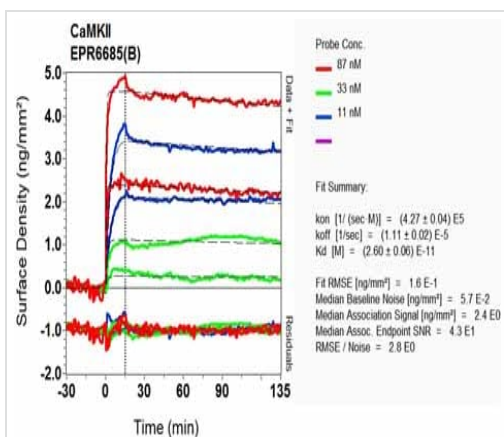
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 51-73 kDa



Flow Cytometry (Intracellular) - Anti-CaMKII antibody [EPR6685(B)] (ab126789)

ab126789 at 1/10 dilution staining CaMKII in permeabilized C6 cells by intracellular flow cytometry (red) compared with a rabbit IgG negative control (green).



SPR Scanning - Anti-CaMKII antibody

[EPR6685(B)] (ab126789)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CaMKII antibody [EPR6685(B)] (ab126789)

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