

Product datasheet

Anti-CaMKII beta antibody ab71709

2 图像

概述

产品名称	Anti-CaMKII beta抗体
描述	兔多克隆抗体to CaMKII beta
宿主	Rabbit
特异性	This antibody does cross-react with CAMKII alpha protein
经测试应用	适用于: ELISA, IHC-P, WB
种属反应性	与反应: Human, Monkey
免疫原	Synthetic peptide from the C-terminal region of human CaMKII beta conjugated to KLH
阳性对照	Jurkat cell and primate lung tissue lysates. Human breast carcinoma tissue.

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	Preservative: 0.09% Sodium Azide Constituents: PBS
纯度	Protein G purified
纯化说明	ab71709 is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab71709** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/1000.

应用	Ab评论	说明
IHC-P		1/50 - 1/100.
WB		1/100 - 1/500. Detects a band of approximately 73 kDa (predicted molecular weight: 73 kDa).

靶标

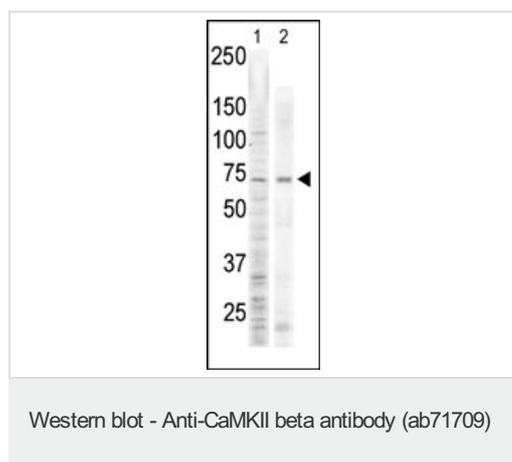
功能 CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses, it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.

组织特异性 Widely expressed. Expressed in adult and fetal brain. Expression is slightly lower in fetal brain.

序列相似性 Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.
Contains 1 protein kinase domain.

形式 The multifunctional CaMKII beta, or Ca²⁺/calmodulin-dependent protein kinase II, is a well known effector of calcium- and calmodulin- mediated functions. It is present in many tissues but is most abundant in the brain. CaMKII is composed of four different chains: alpha, beta, gamma, and delta. The different isoforms assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits.

图片



All lanes : Anti-CaMKII beta antibody (ab71709) at 1/100 dilution

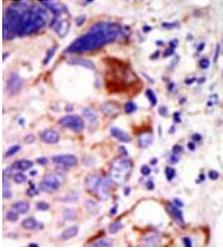
Lane 1 : Jurkat cell lysate

Lane 2 : primate lung tissue lysate

Lysates/proteins at 12.5 µg per lane.

Predicted band size: 73 kDa

Observed band size: 73 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CaMKII beta antibody (ab71709)

ab71709 at 1/50 dilution, staining CaMKII beta in human breast carcinoma by Immunohistochemistry using formalin-fixed, paraffin-embedded tissue, followed by peroxidase-conjugated secondary antibody and DAB staining.

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