

Anti-CaMKK antibody ab40123

1 图像

概述

产品名称	Anti-CaMKK抗体
描述	兔多克隆抗体to CaMKK
宿主	Rabbit
特异性	This antibody is specific for CaMKK alpha form.
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
阳性对照	Brain 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	pH: 7.6 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
纯度	Immunogen affinity purified
纯化说明	Affinity purified.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab40123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		

应用说明 IHC-P: 1/50 for 30 minutes at RT. Perform heat mediated antigen retrieval before commencing

with IHC staining protocol.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death.

序列相似性

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.
Contains 1 protein kinase domain.

结构域

The autoinhibitory domain overlaps with the calmodulin binding region and may be involved in intrasteric autoinhibition.

The RP domain (arginine/proline-rich) is involved in the recognition of CAMK1 and CAMK4 as substrates.

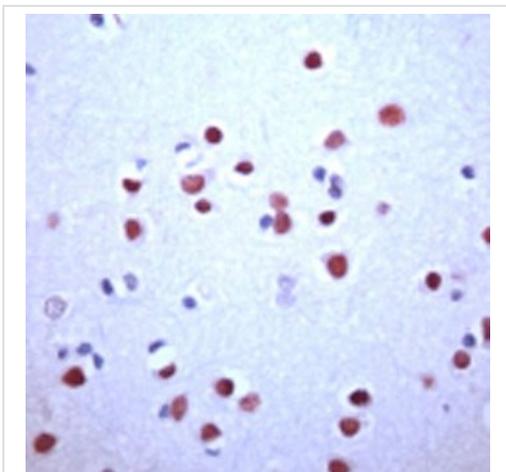
翻译后修饰

Appears to be autophosphorylated in a Ca(2+)/calmodulin-dependent manner. Phosphorylated at multiple sites by PRCAKA/PKA. Phosphorylation of Ser-458 is blocked upon binding to Ca(2+)/calmodulin. In vitro, phosphorylated by CAMK1 and CAMK4.

细胞定位

Cytoplasm. Nucleus.

图片



ab40123 at a 1:50 dilution staining CaMKK in human brain tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CaMKK antibody (ab40123)

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