


# Anti-CaMKII alpha antibody ab87597

★★★★★ [2 Abreviews](#) [6 References](#) [1 图像](#)

### 概述

|       |  |
|-------|--|
| 产品名称  | Anti-CaMKII alpha抗体  |
| 描述    | 山羊多克隆抗体to CaMKII alpha   |
| 宿主    | Goat   |
| 特异性   | Expected to recognize both reported isoforms of CaMKII (NP_057065.2 and NP_741960.1). This antibody does cross-react with CAMKII beta protein  |
| 经测试应用 | <b>适用于:</b> WB   |
| 种属反应性 | <b>与反应:</b> Mouse, Human<br><b>预测可用于:</b> Rat, Dog    |
| 免疫原   | Peptide with sequence<br>C-PRTAQSEETRVWHR<br>, corresponding to internal sequence amino acids 445-458 of human CaMKII alpha protein (NP_057065.2; NP_741960.1). (Peptide available as <a href="#">ab126462</a> .)<br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> |

### 常规说明

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.

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

### 性能

|      |  |
|------|--|
| 形式   | Liquid   |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.   |
| 存储溶液 | pH: 7.30<br>Preservative: 0.02% Sodium azide<br>Constituents: 0.5% BSA, Tris buffered saline   |
| 纯度   | Immunogen affinity purified  |
| 纯化说明 | Purified from goat serum by ammonium sulphate precipitation, followed by antigen affinity chromatography using the immunizing peptide. |

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用 ab87597 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 |      | Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 55, 65 kDa (predicted molecular weight: 55 kDa). 1 hour primary incubation is recommended for this product. |

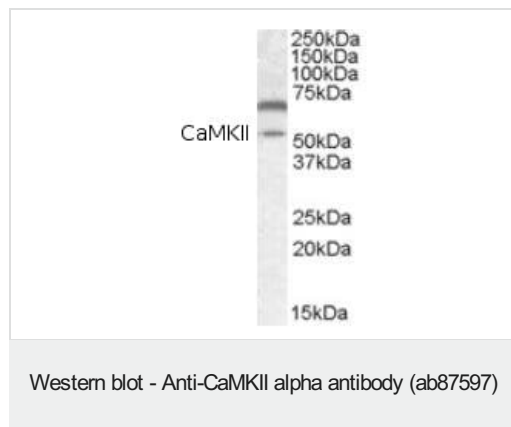
## 靶标

**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



Anti-CaMKII alpha antibody (ab87597) at 0.1 µg/ml + mouse brain lysate at 35 µg

Developed using the ECL technique.

**Predicted band size:** 55 kDa

**Observed band size:** 55 kDa

**Additional bands at:** 65 kDa. We are unsure as to the identity of these extra bands.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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