


Anti-PRKAR2B antibody [EP2648] ab75996

RabMAb[®]

4 References **3 图像**

概述

| | |
|-------|---|
| 产品名称 | Anti-PRKAR2B抗体[EP2648] |
| 描述 | 兔单克隆抗体[EP2648] to PRKAR2B |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: Flow Cyt (Intra), WB, IHC-P 不适用于: IP |
| 种属反应性 | 与反应: Mouse, Human 预测可用于: Rat  |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | WB: Fetal brain, human testis and NIH/3T3 cell lysates. IHC-P: Human brain tissue. Flow Cyt: SHSY-5Y cells |
| 常规说明 | Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . 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

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|------|--|
| 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: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant |
| 纯度 | Tissue culture supernatant |

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|------|--------|
| 克隆 | 单克隆 |
| 克隆编号 | EP2648 |
| 同种型 | IgG |

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab75996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。

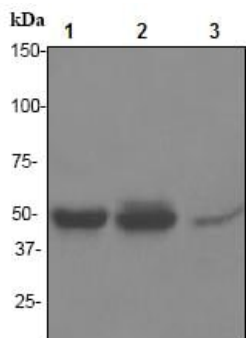
| 应用 | Ab评论 | 说明 |
|------------------|------|---|
| Flow Cyt (Intra) | | 1/20 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| WB | | 1/5000 - 1/20000. Predicted molecular weight: 46 kDa. |
| IHC-P | | 1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |

应用说明 Is unsuitable for IP.

靶标

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| 功能 | Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase. |
| 组织特异性 | Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible. |
| 序列相似性 | Belongs to the cAMP-dependent kinase regulatory chain family. Contains 2 cyclic nucleotide-binding domains. |
| 翻译后修饰 | Phosphorylated by the activated catalytic chain. |
| 细胞定位 | Cytoplasm. Cell membrane. Co-localizes with PJA2 in the cytoplasm and at the cell membrane. |

图片



Western blot - Anti-PRKAR2B antibody [EP2648] (ab75996)

All lanes : Anti-PRKAR2B antibody [EP2648] (ab75996) at 1/20000 dilution

Lane 1 : Fetal brain lysate

Lane 2 : Human testis lysate

Lane 3 : NIH/3T3 cell lysate

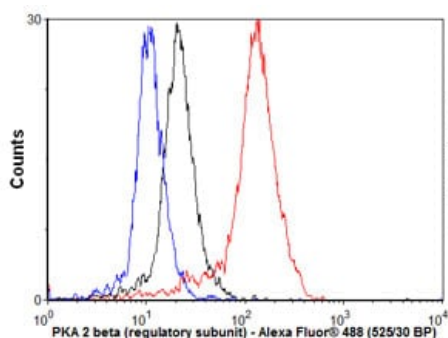
Lysates/proteins at 10 µg per lane.

Secondary

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

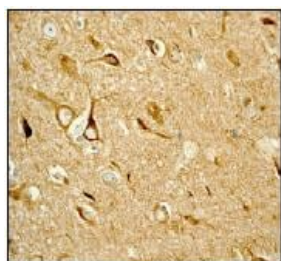
Predicted band size: 46 kDa

Observed band size: 46 kDa



Flow Cytometry (Intracellular) - Anti-PRKAR2B antibody [EP2648] (ab75996)

Overlay histogram showing SHSY-5Y cells stained with ab75996 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab75996, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR2B antibody [EP2648] (ab75996)

ab75996, at 1/100 dilution, staining PRKAR2B in paraffin-embedded human brain tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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