

Anti-PRKAR2B antibody [EP2649Y] ab75993

重组 RabMAb

20 References 7 图像

概述	
产品名称	Anti-PRKAR2B抗体[EP2649Y]
描述	兔单克隆抗体[EP2649Y] to PRKAR2B
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, IP, ICC/IF 不适用于: Flow Cyt
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human PRKAR2B (C terminal). The exact sequence is proprietary.
阳性对照	IHC-P: Rat, Mouse, and Human fat tissue sections. IP: Human brain lysate. ICC/IF: Neuro-2a cells. WB: Human, mouse and rat brain lysate
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP2649Y

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab75993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		1/1000. Predicted molecular weight: 46 kDa. For unpurified use at 1/25000 - 1/50000.
IHC-P		1/1500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols.</u> For unpurified use at 1/100 - 1/250. Use of HRP conjugated or polymerized HRP secondary antibodies recommended. Stronger signals have been found
IP		1/30.
ICC/IF		1/50.

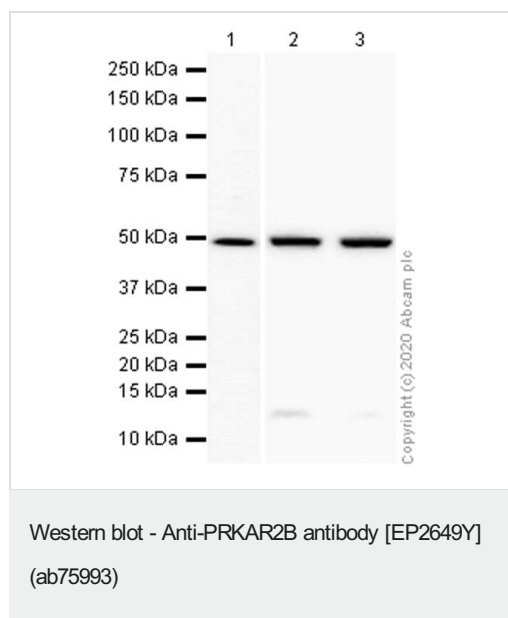
应用说明

Is unsuitable for Flow Cyt.

靶标

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



Lanes 1-2 : Anti-PRKAR2B antibody [EP2649Y] (ab75993) at 1/1000 dilution (Purified)

Lane 3 : Anti-PRKAR2B antibody [EP2649Y] (ab75993) at 1/1000 dilution

Lane 1 : Human brain lysate at 15 µg

Lane 2 : Mouse brain lysate at 20 µg

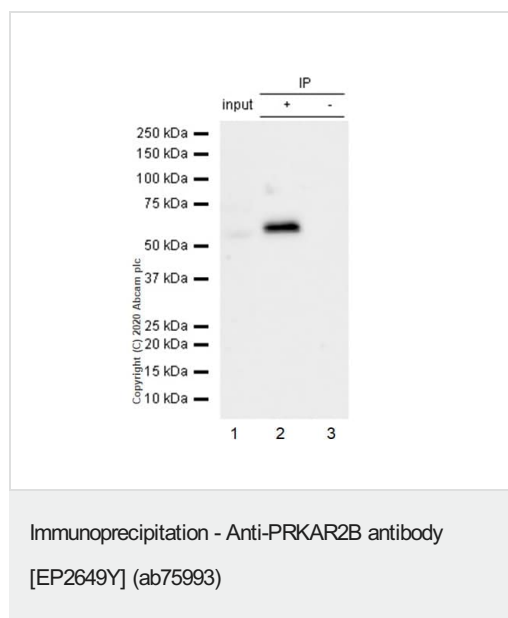
Lane 3 : Rat brain lysate at 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 46 kDa

Observed band size: 52 kDa



Purified ab75993 at 1/30 dilution (2µg) immunoprecipitating PRKAR2B in Human brain lysate.

Lane 1 (input): Human brain lysate 10µg

Lane 2 (+): ab75993 + Human brain lysate.

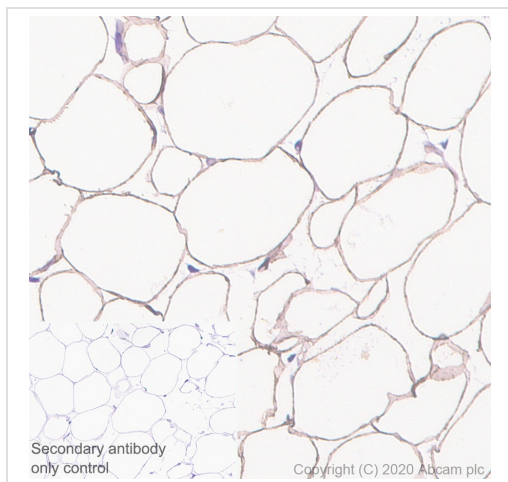
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab75993 in Human brain lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

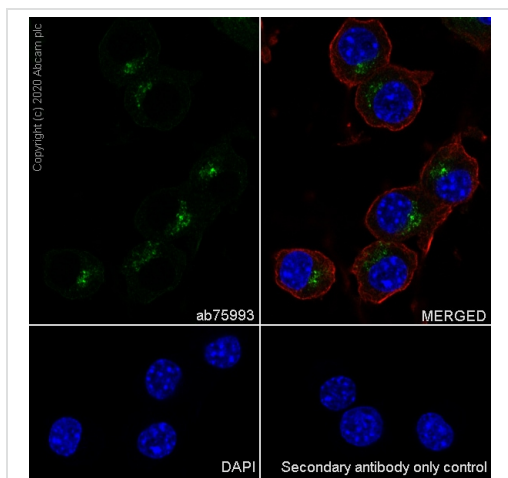
Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 52 kDa



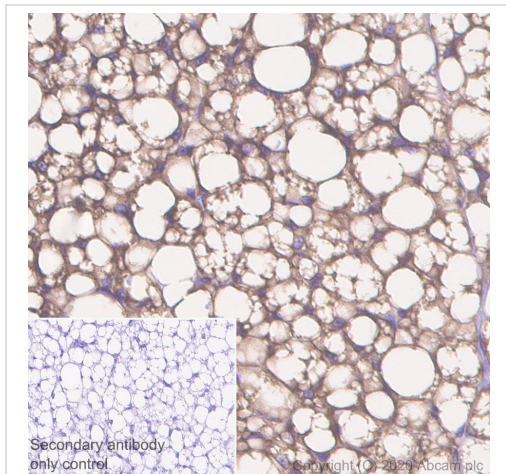
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human fat tissue sections labeling PRKAR2B with purified ab75993 at 1/1500 dilution (0.27 µg/mL). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR2B antibody [EP2649Y] (ab75993)



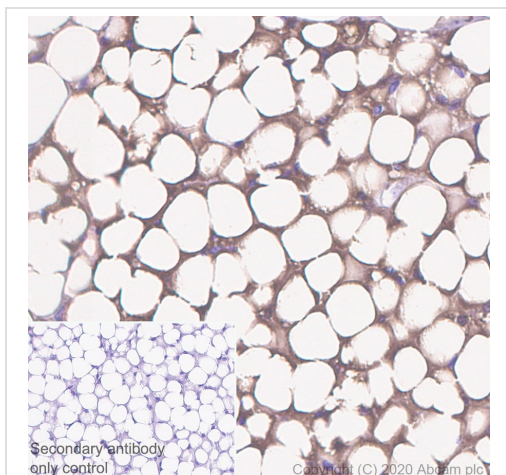
Immunocytochemistry analysis of Neuro-2a (Mouse neuroblastoma neuroblast) cells labeling PRKAR2B with purified ab75993 at 1/50 dilution (8.14 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

Immunocytochemistry/ Immunofluorescence - Anti-PRKAR2B antibody [EP2649Y] (ab75993)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR2B antibody [EP2649Y] (ab75993)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat fat tissue sections labeling PRKAR2B with purified ab75993 at 1/1500 dilution (0.27 µg/mL). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR2B antibody [EP2649Y] (ab75993)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse fat tissue sections labeling PRKAR2B with purified ab75993 at 1/1500 dilution (0.27 µg/mL). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-PRKAR2B antibody [EP2649Y] (ab75993)

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