

Anti-CaMKII alpha antibody [EPR1828] ab92332

リコンビナント **RabMAb**

15 References **画像数 3**

製品の概要

製品名	Anti-CaMKII alpha antibody [EPR1828]
製品の詳細	Rabbit monoclonal [EPR1828] to CaMKII alpha
由来種	Rabbit
特異性	The peptide immunogen shares a 100% homology with CaMKII beta, gamma and delta therefore we believe cross-reactivity is highly likely but this has not been experimentally assessed.
アプリケーション	適用あり: WB, Flow Cyt (Intra)
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human CaMKII alpha aa 1-100 (N terminal). The exact sequence is proprietary. (Peptide available as ab175459)
ポジティブ・コントロール	Flow Cyt (intra): SH-SY5Y cells WB: rat brain lysate, SH-SY5Y cell lysate, Neuro 2a cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR1828
アイソタイプ	IgG

アプリケーション

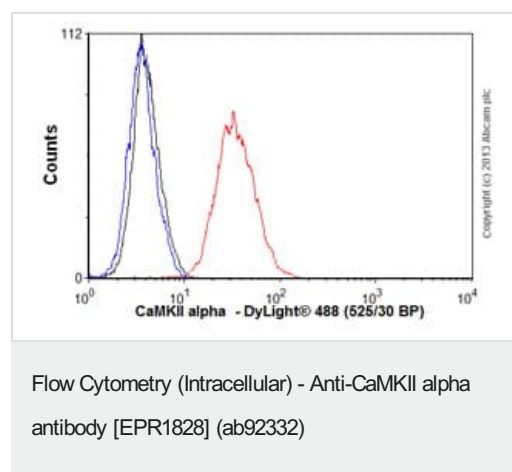
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab92332の使用に適用されます
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アプリケーション	Abreviews	特記事項
WB		1/10000 - 1/50000. Predicted molecular weight: 54 kDa.
Flow Cyt (Intra)		1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

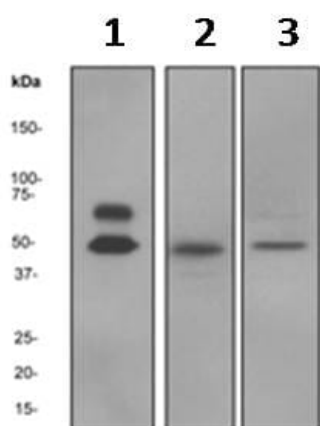
ターゲット情報

機能	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.
配列類似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.
細胞内局在	Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts.

画像



Overlay histogram showing SH-SY5Y cells stained with ab92332 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab92332, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1 µg/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. This antibody gave a positive signal in SH-SY5Y cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Western blot - Anti-CaMKII alpha antibody
[EPR1828] (ab92332)

All lanes : Anti-CaMKII alpha antibody [EPR1828] (ab92332)

Lane 1 : Rat brain lysate

Lane 2 : SH SY5Y cell lysate

Lane 3 : Neuro 2a cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 54 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CaMKII alpha antibody [EPR1828] (ab92332)

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