


Anti-CaMKII antibody [EPR6685(B)] - BSA and Azide free ab248185

リコンビナント RabMAb

画像数 4

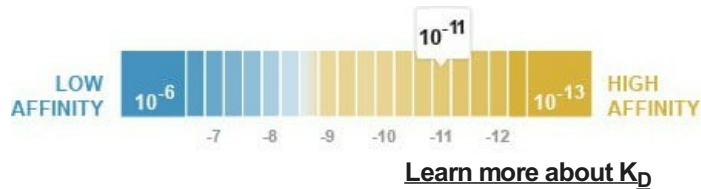
製品の概要

製品名	Anti-CaMKII antibody [EPR6685(B)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6685(B)] to CaMKII - BSA and Azide free
由来種	Rabbit
特異性	The peptide immunogen shares a 100% homology with CaMKII alpha, 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) 適用なし: ICC/IF, IHC-P or IP
種交差性	交差種: Rat, Human 交差が予測される動物種: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab248185 is the carrier-free version of ab126789.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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>

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. Store at +4°C. Do Not Freeze.
解離定数 (K _D 値)	K _D = 2.60 x 10 ⁻¹¹ M



バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Affinity purified
ポリ/モノ	モノクローナル
クローン名	EPR6685(B)
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ab248185の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

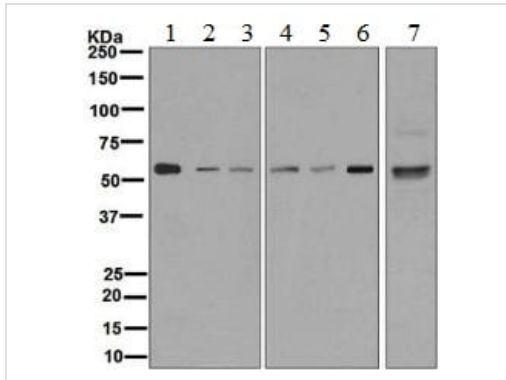
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 45-70 kDa (predicted molecular weight: 51-73 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration.

追加情報 Is unsuitable for ICC/IF, IHC-P or IP.

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

画像



Western blot - Anti-CaMKII antibody [EPR6685(B)] - BSA and Azide free (ab248185)

All lanes : Anti-CaMKII antibody [EPR6685(B)] ([ab126789](#)) at 1/1000 dilution

- Lane 1** : Human pancreas lysate
- Lane 2** : Human fetal kidney tissue lysate
- Lane 3** : HeLa cell lysate
- Lane 4** : Jurkat lysate
- Lane 5** : SH-SY5Y cell lysate
- Lane 6** : BxPC-3 cell lysate
- Lane 7** : C6 lysate

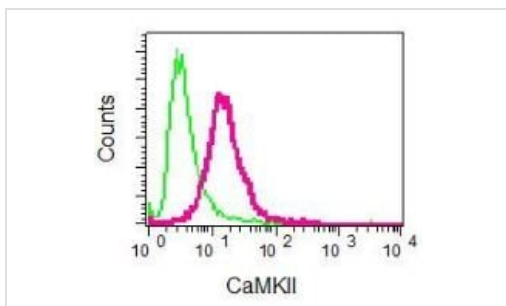
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 51-73 kDa

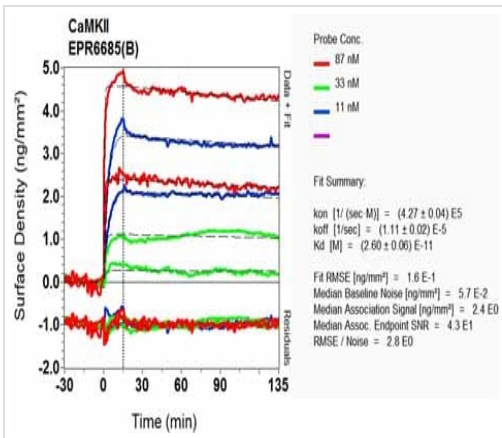
This data was developed using [ab126789](#), the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-CaMKII antibody [EPR6685(B)] - BSA and Azide free (ab248185)

This data was developed using [ab126789](#), the same antibody clone in a different buffer formulation.

[ab126789](#) at 1/10 dilution staining CaMKII in permeabilized C6 cells by intracellular flow cytometry (red) compared with a rabbit IgG negative control (green).



OI-RD Scanning - Anti-CaMKII antibody
 [EPR6685(B)] - BSA and Azide free (ab248185)

This data was developed using [ab126789](#), the same antibody clone in a different buffer formulation. Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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 antibody [EPR6685(B)] - BSA and Azide free (ab248185)

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