abcam

Product datasheet

Anti-CAMKK2 antibody - C-terminal ab70909

1 Abreviews　画像数 2

製品の概要

製品名	Anti-CAMKK2 antibody - C-terminal
製品の詳細	Rabbit polyclonal to CAMKK2 - C-terminal
由来種	Rabbit
アプリケーション	**適用あり:** WB, ELISA, IHC-P
種交差性	**交差種:** Human
免疫原	Synthetic peptide from the C-terminal region of human CAMKK2 conjugated to KLH.
ポジティブ・コントロール	293 cell lysates transiently transfected with the CAMKK2 gene. Human brain tissue.

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	Preservative: 0.09% Sodium azide Constituent: PBS
精製度	Protein A purified
特記事項（精製）	ab70909 is purified through a protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
ポリ/モノ	ポリクローナル
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ab70909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。

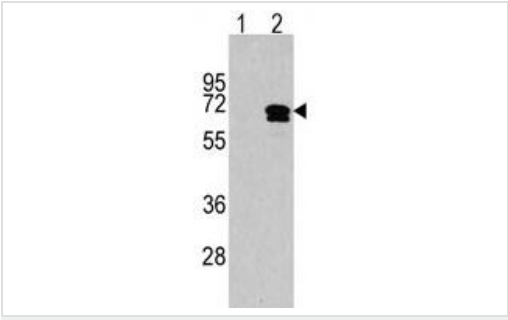
アプリケーション	Abreviews	特記事項
WB		1/50 - 1/100. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).
ELISA		1/1000.

アプリケーション	Abreviews	特記事項
IHC-P		1/50.

ターゲット情報

機能	Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Isoform 1, isoform 2 and isoform 3 phosphorylate CAMK1 and CAMK4. Isoform 3 phosphorylates CAMK1D. Isoform 4, isoform 5 and isoform 6 lacking part of the calmodulin-binding domain are inactive. Seems to be involved in hippocampal activation of CREB1.
組織特異性	Ubiquitously expressed with higher levels in the brain. Intermediate levels are detected in spleen, prostate, thyroid and leukocytes. The lowest level is in lung.
配列類似性	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 protein kinase domain.
ドメイン	The autoinhibitory domain overlaps with the calmodulin binding region and may be involved in intrasteric autoinhibition. The RP domain (arginine/proline-rich) is involved in the recognition of CAMKI and CAMK4 as substrates.
翻訳後修飾	Autophosphorylated.
細胞内局在	Cytoplasm.

画像



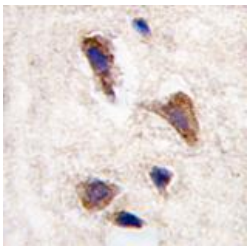
Western blot - Anti-CAMKK2 antibody - C-terminal (ab70909)

All lanes : Anti-CAMKK2 antibody - C-terminal (ab70909) at 1/50 dilution

Lane 1 : Nontransfected 293 cell lysate
Lane 2 : 293 cell lysate transiently transfected with the CAMKK2 gene

Lysates/proteins at 2 µg per lane.

Predicted band size: 65 kDa
Observed band size: 65 kDa
Additional bands at: 62 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAMKK2 antibody - C-terminal (ab70909)

ab70909, at 1/50 dilution, staining CAMKK2 in human brain tissue by Immunohistochemistry using formalin-fixed, paraffin-embedded tissue followed by a peroxidase-conjugated secondary antibody and DAB staining.

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