

DATASHEET

CaMK1 gamma Rabbit Polyclonal Antibody

CAT. NO. APA13094

KEY FEATURES

Target	CaMK1 gamma	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates transcription factor CREB1 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to CaMK1 gamma
Specificity	Recognizes endogenous levels of CaMK1 gamma protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CaMK1 gamma
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 51; Observed: 53 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CLICK3; VWS1; Calcium/calmodulin-dependent protein kinase type 1G; CaM kinase I gamma; CaM kinase IG; CaM-KI gamma; CaMKI gamma; CaMKIG; CaMK-like CREB kinase III; CLICK III
Gene Symbol	CAMK1G
Entrez Gene	57172(Human); 215303(Mouse); 171358(Rat)
SwissProt	Q96NX5(Human); Q91VB2(Mouse); Q7TNJ7(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

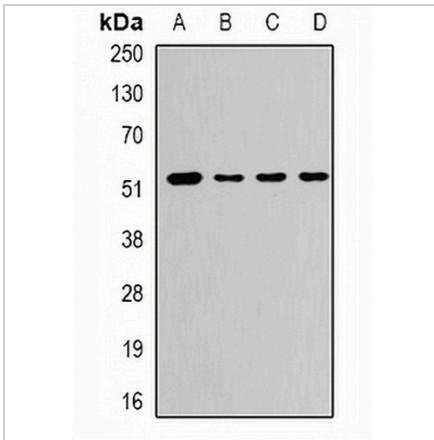
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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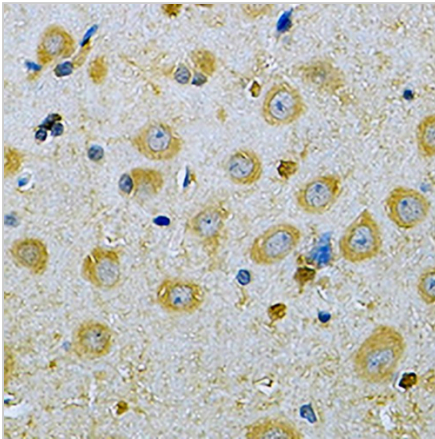
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Western blot analysis of CaMK1 gamma expression in PC12 (A), A673 (B), mouse liver (C), rat brain (D) whole cell lysates. (Predicted band size: 51; 53 kD; Observed band size: 53 kD)



Immunohistochemical analysis of CaMK1 gamma staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.