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Camk1g Rabbit pAb

Catalog # AP99101

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96NX5
Other Accession	Q96NX5
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53087
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Camk1g
Epitope Specificity	381-476/476
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.
Post-translational modifications	May be prenylated on Cys-473.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CaMKI gamma is a Calcium/calmodulin-dependent protein kinase which belongs to a proposed calcium-triggered signaling cascade. In vitro it phosphorylates transcription factor CREB1. It has been proposed that CaMKI gamma is involved in dendritic outgrowth mediated by CaM-dependant protein kinase kinase.

Additional Information

Gene ID	57172
Other Names	CLICK3; CLICKIII; VWS1; CLICK III; CLICK-III; CaMKIgamma; KCC1G_HUMAN; CAMK1G; CaM kinase I gamma (CaM kinase IG | CaM-KI gamma | CaMKI gamma | CaMKIG); CaMK-like CREB kinase III (CLICK III); 2.7.11.17; KCC1G_MOUSE; KCC1G_RAT; Camkig; calcium/calmodulin dependent protein kinase IG; calcium/calmodulin-dependent protein kinase IG
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CAMK1G
Synonyms	CLICK3, VWS1
Function	Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates transcription factor CREB1 (By similarity).
Cellular Location	Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein
Tissue Location	Mainly expressed in brain with small amounts in skeletal muscles, kidney, spleen and liver. Strongly expressed in forebrain neocortex, striatum and limbic system

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.