

Camk1g Rabbit pAb

Catalog # AP99101

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96NX5
Other Accession	Q96NX5
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'.