

Rabbit anti-Human CAMK1G (CaMKI gamma) Polyclonal Antibody | anti-CAMK1G antibody

CAMK1G (CaMKI gamma) Antibody (C-term)

CATALOG # AAA290382	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

CAMK1G (CaMKI gamma); Polyclonal Antibody; CAMK1G (CaMKI gamma) Antibody (C-term); 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; CAMK1G; CLICK3; VWS1; anti-CAMK1G antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAMK1G (CaMKI gamma) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 420-450 amino acids from the C-terminal region of human CAMK1G (CaMKI gamma).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.71 (varies by lot)
Sequence Positions	420-450
Sequence Length	460
Applicable Applications for anti-CAMK1G antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of CAMK1G (arrow) using rabbit polyclonal CAMK1G Antibody (C-term) (RB01249). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMK1G gene (Lane 2) (Origene Technologies).



WB (Western Blot)

Western blot analysis of anti-CAMK 1G Pab in NCI-H460 cell lysate. CAMK 1G (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK1G antibody	Ca ²⁺ /calmodulin-dependent protein kinase I (CaMKI) constitutes a family of closely related isoforms (alpha, beta and gamma). CLICK-III/CaMKIgamma is a novel membrane-anchored neuronal Ca ²⁺ /calmodulin-dependent protein kinase. AMKIgamma is abundant in neurons, particularly in the amygdala and ventromedial hypothalamus. Like the other CaMKI isoforms, full activation of CLICK-III/CaMKIgamma requires both Ca(2+)/CaM and phosphorylation by CaMKK.
Product Categories/Family for anti-CAMK1G antibody	Neuroscience; Signal Transduction
References	Takemoto-Kimura, S., et al., J. Biol. Chem. 278(20):18597-18605 (2003). Schutte, B.C., et al., Genome Res. 10(1):81-94 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	14196445
NCBI GeneID	57172
NCBI Accession #	NP_065172.1
NCBI GenBank Nucleotide #	NM_020439.2
UniProt Accession #	Q96NX5; Q86UH5; Q9Y3J7
Molecular Weight	53087
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type 1G
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase IG
NCBI Official Symbol	CAMK1G
NCBI Official Synonym Symbols	VWS1; CLICK3; CLICKIII; dJ272L16.1
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type 1G
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type 1G
UniProt Gene Name	CAMK1G
UniProt Synonym Gene Names	CLICK3; VWS1; CaM kinase IG; CaM-KI gamma; CaMKI gamma; CaMKIG; CLICK III
UniProt Entry Name	KCC1G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.