

Rabbit CAMK2G (CAMK2 gamma) Polyclonal Antibody | anti-CAMK2G antibody

CAMK2G (CAMK2 gamma) Antibody (C-term)

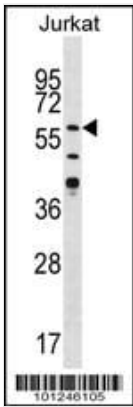
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283919	Rabbit	Human, mouse, rat, monkey	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CAMK2G (CAMK2 gamma); Polyclonal Antibody; CAMK2G (CAMK2 gamma) Antibody (C-term); Calcium/calmodulin-dependent protein kinase type II subunit gamma; CaM kinase II subunit gamma; CaMK-II subunit gamma; CAMK2G; CAMK; CAMK-II; CAMKG; anti-CAMK2G antibody

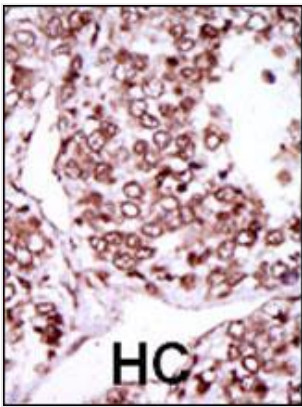
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat, monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAMK2G (CAMK2 gamma) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 309-338 amino acids from the C-terminal region of human CAMK2G (CAMK2 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: 2 (varies by lot)
Sequence Positions	309-338
Sequence Length	495
Applicable Applications for anti-CAMK2G 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.



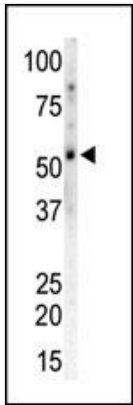
WB (Western Blot)

Western blot analysis of anti-CAMK2 delta-like Antibody (C-term) in Jurkat cell line lysates (35ug/lane). CAMK2G (arrow) was detected using the purified Pab.



IHC (Immunohiostchemistry)

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)

The anti-CAMK2 gamma C-term Pab is used in Western blot to detect CAMK2 gamma in mouse heart tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK2G antibody	CaM-kinase II (CAMK2) is a prominent Ser/Thr protein kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Likely autophosphorylation of Thr-286 allows the kinase to switch from a calmodulin-dependent to a calmodulin-independent state. CAMK2 is composed of four different chains: alpha, beta, gamma, and delta. The different isoforms assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits.
Product Categories/Family for anti-CAMK2G antibody	Cancer; Cardiovascular; Neuroscience; Signal transduction
References	Breen, M.A., et al., Biochem. Biophys. Res. Commun. 236(2):473-478 (1997). Tombes, R.M., et al., Biochim. Biophys. Acta 1355(3):281-292 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	26667191
NCBI GeneID	818
NCBI Accession #	NP_001213.2; NP_751909.1; NP_751913.1
NCBI GenBank Nucleotide #	NM_001222.3
UniProt Accession #	Q13555; O00561; O15378; Q13279; Q13282; Q13556; Q5SQZ3; Q5SQZ4; Q5SWX4; Q7KYG5; Q8N4I3; Q8NIA4

Molecular Weight	62609
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit gamma isoform 4
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II gamma
NCBI Official Symbol	CAMK2G
NCBI Official Synonym Symbols	CAMK; CAMKG; CAMK-II
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit gamma
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit gamma
UniProt Gene Name	CAMK2G
UniProt Synonym Gene Names	CAMK; CAMK-II; CAMKG; CaM kinase II subunit gamma; CaMK-II subunit gamma
UniProt Entry Name	KCC2G_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/camk2g-camk2-gamma-antibody-immunohistochemistry-western-blot-elisa/283919>