

Mouse anti-Human, Rat CAMK2G Monoclonal Antibody | anti-CAMK2G antibody

CAMK2G Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29896	Mouse	Human, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CAMK2G; Monoclonal Antibody; CAMK2G Antibody; Calcium/calmodulin dependent protein kinase II alpha antibody; Calcium/calmodulin dependent protein kinase II beta antibody; Calcium/calmodulin dependent protein kinase II delta antibody; Calcium/calmodulin dependent protein kinase II gamma antibody; Calcium/calmodulin-dependent protein kinase type II subunit alpha antibody; CaM kinase II alpha antibody; CaM kinase II antibody; CaM kinase II beta antibody; CaM kinase II delta antibody; CaM kinase II gamma antibody; CaM kinase II subunit alpha antibody; CaMK-II subunit alpha antibody; CAMK2 antibody; Camk2a antibody; CAMK2B antibody; CAMK2D antibody; CAMK2G antibody; CAMKA antibody; KCC2A_HUMAN antibody; anti-CAMK2G antibody

PRODUCT SPECIFICATIONS

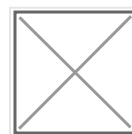
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	10C-G1
Purity/Purification	ProA affinity purified
Form/Format	1*TBST (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CAMK2G antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:200-1:500 FC/FACS: 1:50-1:100
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



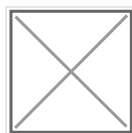
FCM (Flow Cytometry)

Flow cytometric analysis of Jurkat cells with CaMKII gamma antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



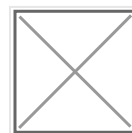
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human bladder cancer tissue using anti-CaMKII gamma antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-CaMKII gamma antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of CaMKII gamma on different cell lysate using anti-CaMKII gamma antibody at 1/1,000 dilution. Positive controls: PC-12 Line1: PC-12 Line2: Jurkat Line3: T47D Line4: HepG2

**WB (Western Blot)**

Western blot analysis of CaMKII gamma on HEK293 (1) and CaMKII gamma -hlgGFc transfected HEK293 (2) cell lysate using anti- CaMKII gamma antibody at 1/1, 000 dilution.

**WB (Western Blot)**

Western blot analysis of CaMKII gamma on human CaMKII gamma recombinant protein using anti- CaMKII gamma antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK2G antibody	The Ca ²⁺ /calmodulin-dependent protein kinases (CaM kinases) comprise a structurally related subfamily of serine/threonine kinases which include CaMKI, CaMKII and CaMKIV. CaMKII is a ubiquitously expressed serine/threonine protein kinase that is activated by Ca ²⁺ and calmodulin (CaM) and has been implicated in regulation of the cell cycle and transcription. There are four CaMKII isozymes designated alpha, beta, gamma and delta, which may or may not be co-expressed in the same tissue type. CaMKIV is stimulated by Ca ²⁺ and CaM but also requires phosphorylation by a CaMK for full activation. Stimulation of the T cell receptor CD3 signaling complex with an anti-CD3 monoclonal antibody leads to a 10-40 fold increase in CaMKIV activity. An additional kinase, CaMKK, functions to activate CaMKI through the specific phosphorylation of the regulatory Threonine residue at position 177.
Product Categories/Family for anti-CAMK2G antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	62512173
NCBI GeneID	818
UniProt Accession #	Q13555; O00561; O15378; Q13279; Q13282; Q13556; Q5SQZ3; Q5SQZ4; Q5SWX4; Q7KYX5; Q8N4I3; Q8NIA4
Molecular Weight	558
NCBI Official Full Name	Calcium/calmodulin-dependent protein kinase type II subunit gamma
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; caMK-II subunit gamma; calcium/calmodulin-dependent protein kinase (CaM kinase) II 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/monoclonal/camk2g-antibody-clone-10c-g1-western-blot-immunohistochemistry-flow-cytometry-elisa/29896>