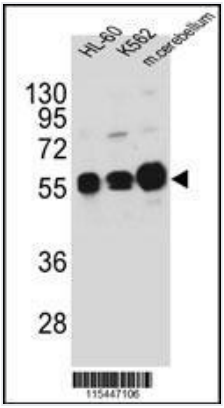
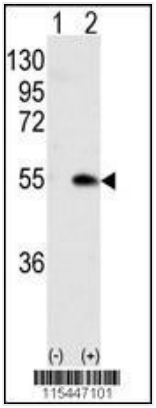
CAMK1G Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

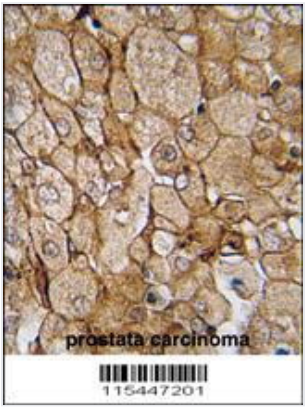
Product Name	CAMK1G, Polyclonal Antibody
Full Product Name	CAMK1G, ID (K226) (Calcium/Calmodulin-dependent Protein Kinase IG, CaM Kinase I gamma, CaM Kinase IG, CaM-KI gamma, CaMKI gamma, CaMKIG, CaMK-like CREB Kinase III, CLICK III, VWS1) (MaxLight 750)
Product Gene Name	anti-CAMK1G antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human CAMK1G.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	51,486 Da
OMIM	614994
3D Structure	ModBase 3D Structure for Q96NX5
Immunogen	Synthetic peptide selected from the center region of human CAMK1G (KLH).
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-CAMK1G antibody	Antibodies; Calmodulin
Applications Tested/Suitable for anti-CAMK1G antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CAMK1G antibody	IHC: 1:10-1:50 FLISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-CAMK1G antibody	MBS6466765 is an antibody targeting CAMK1G. Also known as CAMK1G, ID (K226) (Calcium/Calmodulin-dependent Protein Kinase IG, CaM Kinase I gamma, CaM Kinase IG, CaM-KI gamma, CaMKI gamma, CaMKIG, CaMK-like CREB Kinase III, CLICK III, VWS1) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CAMK1G antibody	1. Takemoto-Kimura, S., et al., J. Biol. Chem. 278(20):18597-18605 (2003). 2. Schutte, B.C., et al., Genome Res. 10(1):81-94 (2000).
Other Notes	Small volumes of anti-CAMK1G antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CAMK1G antibody
CAMK1G Antibody (Center K226) western blot analysis in HL-60,K562 cell line and mouse cerebellum tissue lysates (35ug/lane).This demonstrates the CAMK1G antibody detected the CAMK1G protein (arrow).



Western Blot (WB) of anti-CAMK1G antibody
Western blot analysis of CAMK1G (arrow) using rabbit polyclonal CAMK1G (Center K226) Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with CAMK1G gene (Lane 2) (Origene Technologies).



Immunohistochemistry (IHC) of anti-CAMK1G antibody
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with CAMK1G (Center K226), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAMK1G. It may not necessarily be applicable to this product.

NCBI GI #	14196445
NCBI GeneID	57172
NCBI Accession #	NP_065172
UniProt Primary Accession #	Q96NX5
UniProt Secondary Accession #	Q86UH5; Q9Y3J7
UniProt Related Accession #	Q96NX5
GenBank Nucleotide #	NM_020439
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
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type 1G

UniProt Synonym Protein Names	CaM kinase I gamma; CaM kinase IG; CaM-KI gamma; CaMKI gamma; CaMKIG; CaMK-like CREB kinase III; CLICK III
Protein Family	Calcium/calmodulin-dependent protein kinase
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
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type 1G; CLICK III; caM kinase I gamma; caM kinase IG; caM-KI gamma; caMK-like CREB kinase III; caMKI gamma; caMKIG
UniProt Comments for CAMK1G	CAMK1G: Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates transcription factor CREB1. Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protein kinase, CAMK; Protein kinase, Ser/Thr (non-receptor); Kinase, protein; EC 2.7.11.17; CAMK group; CAMK1 family Chromosomal Location of Human Ortholog: 1q32.2 Cellular Component: Golgi membrane; neuron projection; plasma membrane; calcium- and calmodulin-dependent protein kinase complex Molecular Function: calmodulin binding; calmodulin-dependent protein kinase activity; ATP binding Biological Process: protein amino acid phosphorylation
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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