

Datasheet for ABIN1678951

anti-CAMKII gamma antibody (AA 300-410)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CAMKII gamma (CAMK2G)
Binding Specificity:	AA 300-410
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMKII gamma antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 300-410 of human CAMK2G (NP_751909.1).
Sequence:	LKGAILTTML VSRNFSVGRQ SSAPASPAAS AAGLAGQAAK SLLNKKSDGG VKKRKSSSSV HLMEPQTTVV HNATDGIKGS TESCNTTTED EDLKVRKQEI IKITEQLIEA I
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

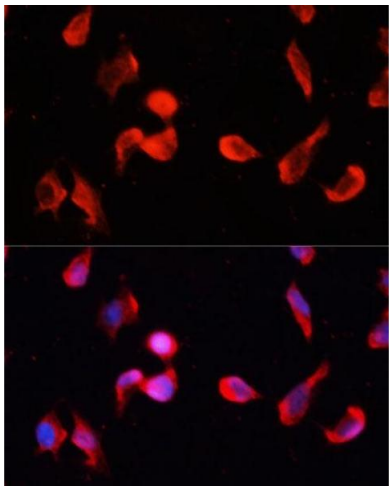
Target:	CAMKII gamma (CAMK2G)
Alternative Name:	CAMK2G (CAMK2G Products)
Background:	The product of this gene is one of the four subunits of an enzyme which belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a gamma chain. Many alternatively spliced transcripts encoding different isoforms have been described but the full-length nature of all the variants has not been determined.,CAMK2G,CAMK,CAMK-II,CAMKG,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Phospholipase Signaling Pathway,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Immunology & Inflammation,B Cell Receptor Signaling Pathway,Neuroscience,Calcium Signaling,CAMK2G
Molecular Weight:	55 kDa/58 kDa/59 kDa/60 kDa/61 kDa/62 kDa/65 kDa
Gene ID:	818
UniProt:	Q13555
Pathways:	WNT Signaling , Interferon-gamma Pathway , Hormone Transport , Myometrial Relaxation and Contraction , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

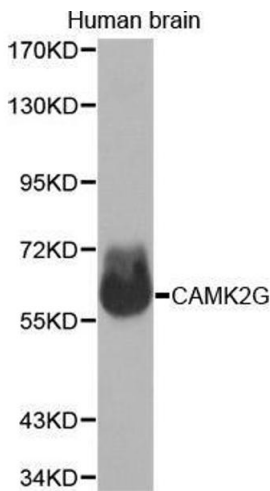
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using CG Polyclonal Antibody (ABIN1678951, ABIN3017618, ABIN3017619 and ABIN6220165) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2.