

Datasheet for ABIN513987

anti-CAMKII gamma antibody (AA 1-527)



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2 Images

Overview

Quantity:	100 µg
Target:	CAMKII gamma (CAMK2G)
Binding Specificity:	AA 1-527
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMKII gamma antibody is un-conjugated
Application:	Western Blotting (WB), Proximity Ligation Assay (PLA)

Product Details

Purpose:	Rabbit polyclonal antibody raised against a full-length human CAMK2G protein.
Immunogen:	CAMK2G (AAH34044.1, 1 a.a. ~ 527 a.a) full-length human protein.
Sequence:	MATTATCTRF TDDYQLFEEL GKGAFSVRR CVKKTPTQEY AAKIINTKKL SARDHQLER EARICRLKH PNIVRLHDSI SEEGFHYLVF DLVTGGELFE DIVAREYYSE ADASHCIHQI LESVNIHQH DIVHRDLKPE NLLASKCKG AAVKLADFGL AIEVQGEQQA WFGFAGTPGY LSPEVLRKDP YGKPVDIWAC GVILYILLVG YPPFWDEDQH KLYQQIKAGA YDFPSPEWDT VTPEAKNLIN QMLTINPAKR ITADQALKHP WVCQRSTVAS MMHRQETVEC LRKFNARRKL KGAILTTMLV SRNFSVGRQS SAPASPAASA AGLAGQAAS LLNKKSDGGV KKRKSSSSVH LMEPQTTVVH NATDGIGGST ESCNTTTEDE DLKVRKQEI KITEQLIEAI NNGDFEAYTK ICDPGLTSFE PEALGNLVEG MDFHKFYFEN LLSKNSKPIH TTILNPHVHV IGEDAACIAY IRLTQYIDGQ GRPRTSQSEE TRVWHRRDGK WLVNHYHCSG APAAPLQ

Product Details

Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

Target Details

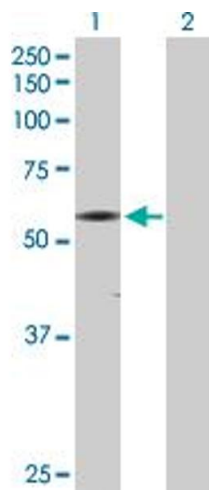
Target:	CAMKII gamma (CAMK2G)
Alternative Name:	CAMK2G (CAMK2G Products)
Background:	Full Gene Name: calcium/calmodulin-dependent protein kinase II gamma Synonyms: CAMK,CAMK-II,CAMKG,FLJ16043,MGC26678
Gene ID:	818
Pathways:	WNT Signaling , Interferon-gamma Pathway , Hormone Transport , Myometrial Relaxation and Contraction , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

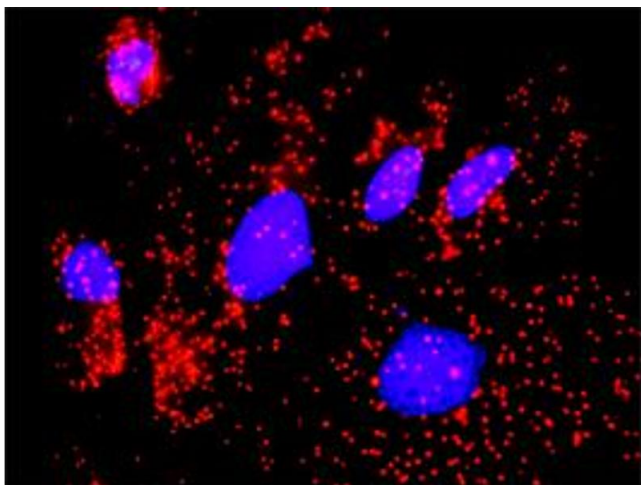


Western Blotting

Image 1. Western Blot analysis of CAMK2G expression in transfected 293T cell line by CAMK2G MaxPab polyclonal antibody.

Lane 1: CAMK2G transfected lysate(59.00 KDa).

Lane 2: Non-transfected lysate.



Proximity Ligation Assay

Image 2. Proximity Ligation Analysis of protein-protein interactions between CAMK2G and FLNA. HeLa cells were stained with anti-CAMK2G rabbit purified polyclonal 1:1200 and anti-FLNA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).