

Datasheet for ABIN2682978

anti-CAMKII gamma antibody (AA 322-481)[Go to Product page](#)

7 Images

Overview

Quantity:	0.1 mg
Target:	CAMKII gamma (CAMK2G)
Binding Specificity:	AA 322-481
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human CAMK2G (AA: 322-481) expressed in E. coli.
Clone:	8G10C1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CAMKII gamma (CAMK2G)
Alternative Name:	CAMK2G (CAMK2G Products)
Background:	Description: 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,

Target Details

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. , ,
Aliases: CAMK, CAMKG, CAMK-II

Molecular Weight: 62.6 kDa

Gene ID: 818

HGNC: 818

Pathways: [WNT Signaling](#), [Interferon-gamma Pathway](#), [Hormone Transport](#), [Myometrial Relaxation and Contraction](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

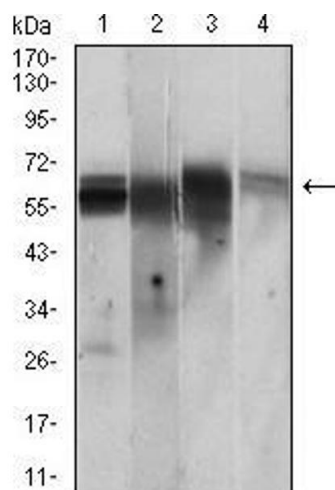
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

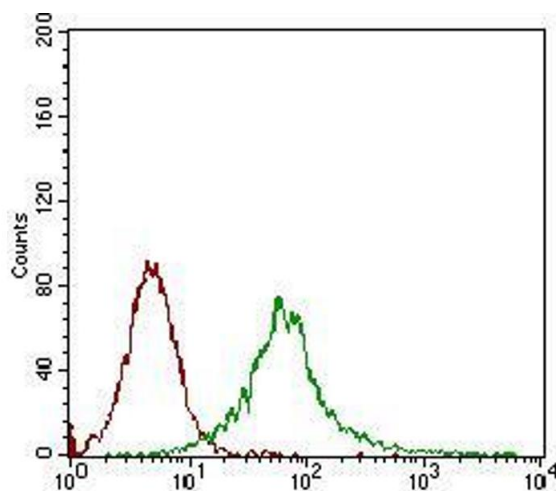
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



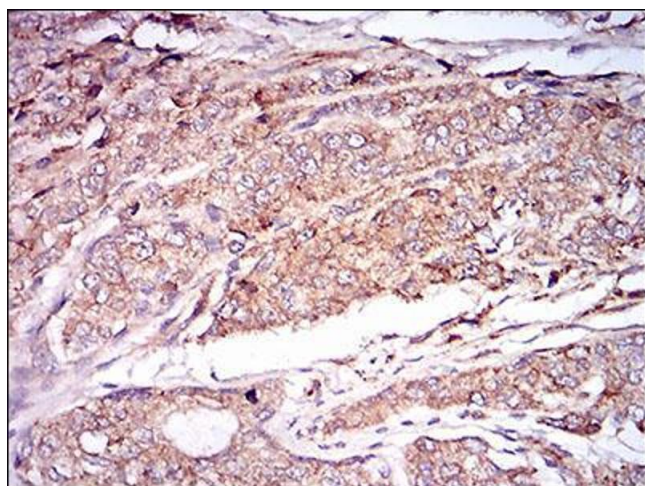
Western Blotting

Image 1. Western blot analysis using CAMK2G mouse mAb against PC-12 (1), Jurkat (2), T47D (3), HepG2 (4) cell lysate.



Flow Cytometry

Image 2. Flow cytometric analysis of Jurkat cells using CAMK2G mouse mAb (green) and negative control (red).



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using CAMK2G mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2682978.