



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CAMK2G MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00000818-B01

規格 : [ 50 uL ]

[List All](#)

### Specification

**Product Description:** Mouse 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:**  
 MATTATCTRFTDDYQLFEELGKGAFSGVRRVCVKTPTQEYAAKIINTKK  
 LSARDHQKLREARICRLLKHPNIVRLHDSISEEGFHYLVFDLVTGGELFE  
 DIVAREYYSEADASHCIHQILESVDNHHQHDIVHRDLKPENLLLASKCKGAA  
 VKLADFGLAIEVQGEQAWFGFAGTPGYLSPEVLRKDPYGKPVDIWAC  
 GVILYILLVGYPPFWDEDQHKLYQQIKAGAYDFPSPWDTVTPEAKNLIN  
 QMLTINPAKRITADQALKHPWVCQRSTVASMMHRQETVECLRKFNARRK  
 LKGAILTTMLVSRNFSVGRQSSAPASPAASAAGLAGQAAKSLLNKSDG  
 GVKKRKSSSSVHLMPEQTTVHNATDGIGKSTESCNTTTEDEDLKVRKQ  
 EIHKITEQLIEAINNGDFEAYTKICDPGLTSFEPALGNLVEGMDFHKFYFEN  
 LLSKNSKPIHTILNPHVHVIGEDAACIAYIRLTQYIDGQGRPRTSQSEETR  
 VWHRRDGGKWLNVHYHCSGAPAAPLQ

**Host:** Mouse

**Reactivity:** Human, Rat

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

**Storage Buffer:** No additive

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

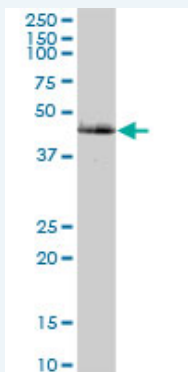
**Note:** For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

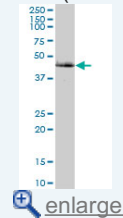
#### Western Blot (Tissue lysate)



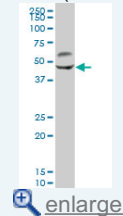
CAMK2G MaxPab polyclonal antibody. Western Blot analysis of CAMK2G expression in human liver.

### Application Image

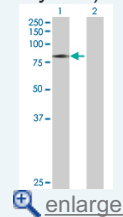
#### Western Blot (Tissue lysate)



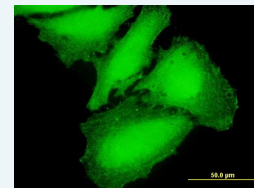
#### Western Blot (Tissue lysate)



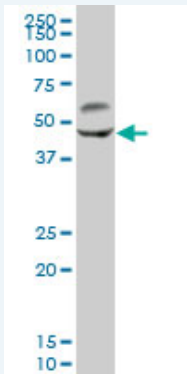
#### Western Blot (Transfected lysate)



#### Immunofluorescence

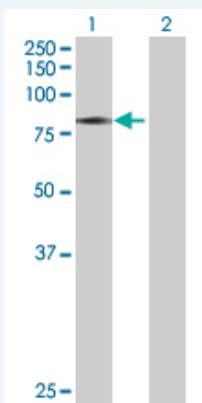


### Western Blot (Tissue lysate)



CAMK2G MaxPab polyclonal antibody. Western Blot analysis of CAMK2G expression in rat brain.

### Western Blot (Transfected lysate)

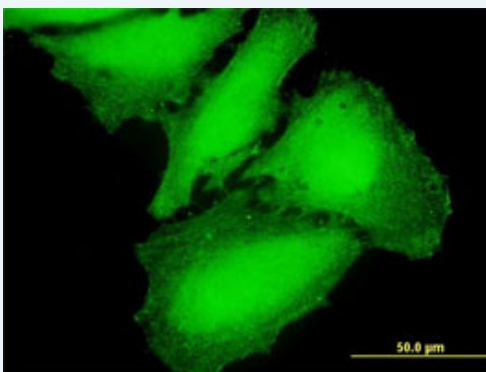



Western Blot analysis of CAMK2G expression in transfected 293T cell line (H00000818-T01) by CAMK2G MaxPab polyclonal antibody.

Lane 1: CAMK2G transfected lysate(58.08 KDa).

Lane 2: Non-transfected lysate.

### Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to CAMK2G on HeLa cell. [antibody concentration 10 ug/ml]

### Gene Information

Entrez GeneID: [818](#)

GeneBank [BC034044](#)

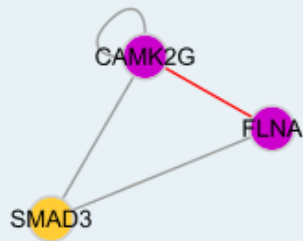
Accession#:

Protein [AAH34044](#)

**Accession#:****Gene Name:** CAMK2G**Gene Alias:** CAMK,CAMK-II,CAMKG,FLJ16043,MGC26678**Gene Description:** calcium/calmodulin-dependent protein kinase II gamma**Omim ID:** [602123](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The product of this gene 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. Six alternatively spliced variants that encode six different isoforms have been characterized to date. Additional alternative splice variants that encode different isoforms have been described, but their full-length nature has not been determined. [provided by RefSeq]

**Other Designations:** CaM kinase II,OTTHUMP00000019843,OTTHUMP00000019844,calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma

**Interactome****Gene Pathway**

[Calcium signaling pathway](#) [ErbB signaling pathway](#) [Glioma](#) [GnRH signaling pathway](#) [Long-term potentiation](#) [Melanogenesis](#) [Neurotrophin signaling pathway](#) [Olfactory transduction](#) [Wnt signaling pathway](#)

**Related Disease**

[Alzheimer Disease](#) [Alzheimer disease](#) [Cardiovascular Diseases](#) [Cerebral Amyloid Angiopathy](#) [Diabetes Mellitus, Type 2](#) [Edema](#) [Genetic Predisposition to Disease](#) [Neuroblastoma](#)

