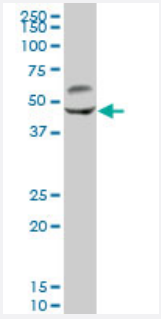
MaxPab®

CAMK2G MaxPab mouse polyclonal antibody (B01)

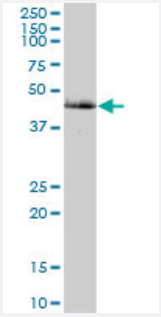
Catalog # H00000818-B01 Size 50 uL

Applications



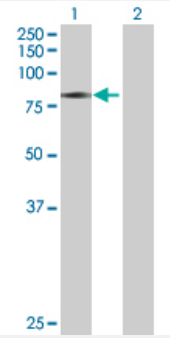
Western Blot (Tissue lysate)

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



Western Blot (Tissue lysate)

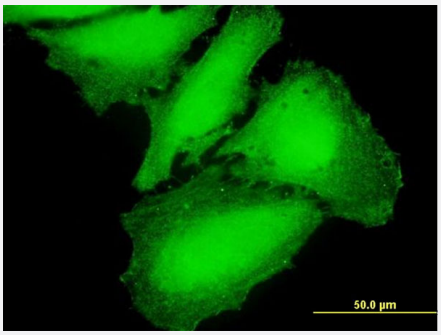
CAMK2G MaxPab polyclonal antibody. Western Blot analysis of CAMK2G expression in human liver.



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

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

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	MATTATCTRFTDDYQLFEELGKGAFSGVRRCVKKTPTQEYAAKIINTKKLSARDHQKLEREARICR LLKHPNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIHQILESVNHIHQHDIVHR DLKPENLLLASKCKGAAVKLADFGLAIEVQGEQQAWFGFAGTPGYLSPEVLRKDPYGKPVDIWA CGVILYILLVGYPPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITADQAL KHPWVCQRSTVASMMHRQETVECLRKFNARRKLKGAILTTMLVSRNFSVGRQSSAPASPAASA AGLAGQAAKSLLNKKSDGGVKKRKSSSSVHLMEPQTTVVHNATDGIKGSTESCNTTTEDEDLKV RKQEIIKITEQLIEAINNGDFEAYTKICDPGLTSFEPEALGNLVEGMDFHKFYFENLLSKNSKPIHTTIL NPHVHVIGEDAACIAYIRLTQYIDGQGRPRTSQSEETRVWHRRDGKWLNVHYHCSGAPAAPLQ
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (92); Rat (99)
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.

Applications

- Western Blot (Tissue lysate)

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

  Protocol Download

- Western Blot (Tissue lysate)

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

  Protocol Download

- 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).
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  Protocol Download

- Immunofluorescence

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

Gene Info — CAMK2G

Entrez GeneID	818
GeneBank Accession#	BC034044
Protein Accession#	AAH34044
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

Pathway

- Calcium signaling pathway
- ErbB signaling pathway
- Glioma
- GnRH signaling pathway
- Long-term potentiation
- Melanogenesis
- Neurotrophin signaling pathway
- Olfactory transduction
- Wnt signaling pathway

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Cerebral Amyloid Angiopathy
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Neuroblastoma