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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CAMK2A purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00000815-B01P

規格 : [50 ug]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human CAMK2A protein.

Immunogen: CAMK2A (AAH40457.1, 1 a.a. ~ 478 a.a) full-length human protein.

Sequence:
 MATITCTRFTEEYQLFEELGKGAFSVVRRVCVKVLAGQEYAAKIINTKKLS
 ARDHQKLEREARICRLLKHPNIVRLHDSISEEGHHYLIFDLVTGGELFEDIV
 AREYYSEADASHCIQQILEAVLHCHQMVGWVHRDLKPENLLASKLKGAHV
 KLADFGLAIEVEGEQQAWFGFAGTPGYLSPEVLRKDPYGKPVDLWACG
 VILYILLVGYPPFWDEDQHRLYKQIKAGAYDFPSPEWDTVTPEAKDLINKM
 LTINPSKRITAAEALKHPWISHRSTVASCMPHRQETVDCLKKFNARRKLKG
 AILTTMLATRNFGSGKSGGNKSDGVKESSESTNTTIEDEDTKVRKQEIHK
 VTEQLIEAISNGDFESYTKMCDPGMTAFPEPEALGNLVEGLDFHRFYFENL
 WSRNSKPVHTTILNPHIILMGDESACIAYIRITQYLDAGGIPRTAQSEETRV
 WHRRDGKWQVMHFHRSGAPSVLPH

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

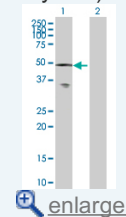
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Datasheet:  [Download](#)

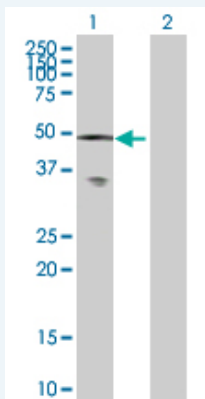
Application Image

Western Blot (Transfected lysate)



Applications

Western Blot (Transfected lysate)



Western Blot analysis of CAMK2A expression in transfected 293T cell line (H00000815-T01) by CAMK2A MaxPab polyclonal antibody.

Lane 1: CAMK2A transfected lysate(52.69 KDa).
 Lane 2: Non-transfected lysate.

Gene Information

Entrez GeneID: [815](#)

GeneBank Accession#: [BC040457](#)

Protein Accession#: [AAH40457](#)

Gene Name: CAMK2A

Gene Alias: CAMKA,KIAA0968

Gene Description: calcium/calmodulin-dependent protein kinase II alpha

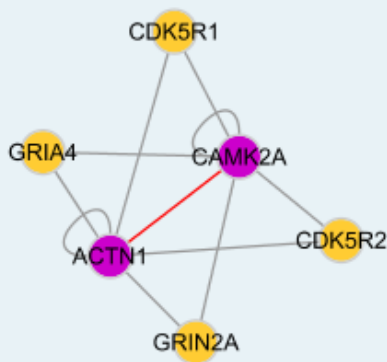
Omim ID: [114078](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations: CaM kinase II alpha subunit,CaM-kinase II alpha chain,CaMK-II alpha subunit,CaMKIIalpha,OTTHUMP00000165787,OTTHUMP00000165788,calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha,calcium/calmodulin-dependent protein kinase II alpha-B subunit

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](#)

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