

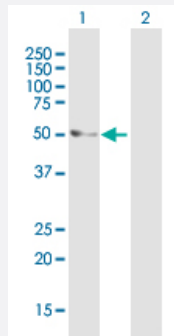
MaxPab®

CAMK2B purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000816-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CAMK2B expression in transfected 293T cell line ([H00000816-T01](#)) by CAMK2B MaxPab polyclonal antibody.

Lane 1: CAMK2B transfected lysate(55.33 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CAMK2B protein.
Immunogen	CAMK2B (NP_742078.1, 1 a.a. ~ 503 a.a) full-length human protein.
Sequence	MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAAKIINTKKLSARDHQKLEREARICRL LKHSNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGGVVH RDLKPENLLLASKCKGA AVKLADFG LAIEVQGDQQAWFGFAGTPGYLSPEVLRKEAYGKPVDIW ACGVILYILLVGYPFWDQDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAHEA LKHPWVCQRSTVASMMHRQETVECLKKFNARRKLKGAILTTMLATRNFSAAKSLLNKKADGVKVP QTNSTKNSAAATSPKGTLPAALESSDSANTTIEDEDAKARKQEIKTTEQLIEAVNNGDFEAYAKI CDPGLTSFEPEALGNLVEGMDFHRFYFENLLAKNSKPIHTILNPHVHVIGEDAACIAYIRLTQYIDG QGRPRTSQSEETRVVWHRDGGKWQNVVHFHCSGAPVAPLQ
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.

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[Protocol Download](#)

Gene Info — CAMK2B

Entrez GeneID [816](#)

GeneBank Accession# [NM_172081.1](#)

Protein Accession# [NP_742078.1](#)

Gene Name CAMK2B

Gene Alias CAM2, CAMK2, CAMKB, MGC29528

Gene Description calcium/calmodulin-dependent protein kinase II beta

Omim ID [607707](#)

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 beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Eight transcript variants encoding eight distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations CaM kinase II beta subunit|CaM-kinase II beta chain|CaMK-II beta subunit|OTTHUMP00000159355|OTTHUMP00000159356|calcium/calmodulin-dependent protein kinase (CaM kinase) II beta|calcium/calmodulin-dependent protein kinase type II beta chain|proline rich cal

Pathway

- [Calcium signaling pathway](#)

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

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cognition](#)
- [NARP](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)