

DNAxPAb

Hard-to-Find
Antibody

CAMK2B DNAxPab

Catalog # H00000816-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CAMK2B DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAAKIINTKKLSARDHQKLEREARICRL LKHSNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGGVVH RDLKPENLLLASKCKGAAVKLADFGLAIEVQGDQQAWFGFAGTPGYLSPEVLRKEAYGKPVDIW ACGVILYILLVGYPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPAEKNLINQMLTINPAKRITAHEA LKHPWVCQRSTVASMMHRQETVECLKKFNARRKLKGAILTTMLATRNFSAAKSLLNKKADGVKP QTNSTKNSAAATSPKGTLPAALESSDSANTTIEDEDAKARKQEIIKTTEQLIEAVNNGDFEAYAKI CDPGLTSFEPEALGNLVEGMDFHRFYFENLLAKNSKPIHTILNPHVHVIGEDAACIAYIRLTQYIDG QGRPRTSQSEETRVWHRRDGKWQNVHVFHCSGAPVAPLQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)