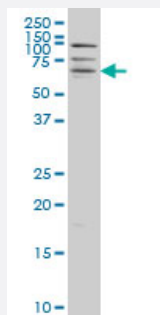


CAMK2B monoclonal antibody (M04), clone S11

Catalog # H00000816-M04

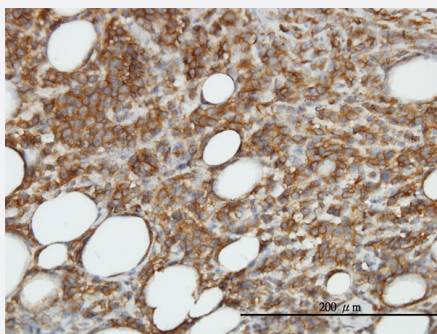
Size 100 ug

Applications



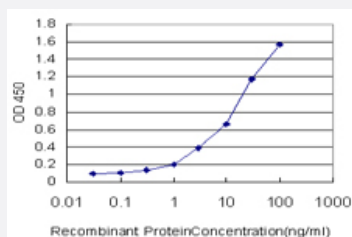
Western Blot (Cell lysate)

CAMK2B monoclonal antibody (M04), clone S11 Western Blot analysis of CAMK2B expression in HeLa S3 NE (Cat # L013V3).



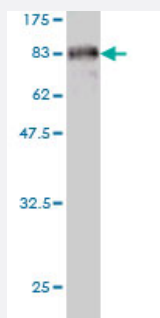
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CAMK2B on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CAMK2B is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (81.07 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CAMK2B.
Immunogen	CAMK2B (AAH19070.1, 1 a.a. ~ 503 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCKLCTGHEYAAKIINTKKLSARDHQKLEREARICRL LKHSNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILEAVLHCHQMGGVH RDLKPENLLLASKCKGAAVKLADFGLAIEVQGDQQAWFGFAGTPGYLSPEVLRKEAYGKPVDIW ACGVILYILLVGYPFWDEDQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAHEA LKHPWVCQRSTVASMMHRQETVECLKKFNARRKLKGAILTTMLATRNFSAAKSLNKKADGVKP QTNSTKNSAAATSPKGTLPAALESSDSANTTIEDAKARKQEIIKTTEQLIEAVNNGDFEAYAKI CDPGLTSFEPEALGNLVEGMDFHRFYFENLLAKNSKPIHTTILNPHVHVIGEDAACIAYIRLTQYIDG QGRPRTSQSEETRVWHRRDGKWQNVHFHCSGAPVAPLQ
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.07 KDa) .
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 (Cell lysate)

CAMK2B monoclonal antibody (M04), clone S11 Western Blot analysis of CAMK2B expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CAMK2B on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CAMK2B is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CAMK2B

Entrez GeneID [816](#)

GeneBank Accession# [BC019070](#)

Protein Accession# [AAH19070.1](#)

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](#)