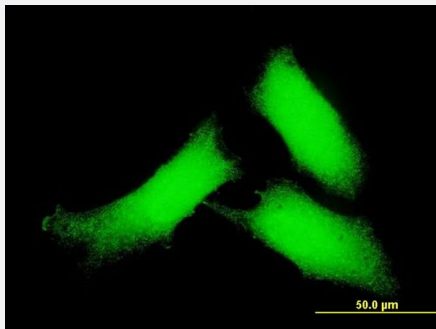


CAMK2D monoclonal antibody (M01), clone 2E1

Catalog # H00000817-M01

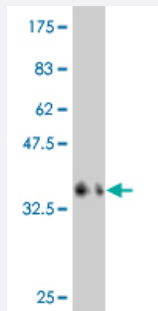
Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to CAMK2D on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CAMK2D.

Immunogen

CAMK2D (AAH32784, 301 a.a. ~ 410 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

KGAILTTMLATRNFSAAKSLKKPDGVKESTESSNTTIEDVDKARKQEIIKVTEQLIEAINNGDFEAYTKICDPGLTAFEPEALGNLVEGMDFHRFYFENALSKSNKPI

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.73 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 (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CAMK2D on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CAMK2D

Entrez GeneID

[817](#)

GeneBank Accession#

[BC032784](#)

Protein Accession#

[AAH32784](#)

Gene Name

CAMK2D

Gene Alias

CAMKD, DKFZp686G23119, DKFZp686I2288, MGC44911

Gene Description

calcium/calmodulin-dependent protein kinase II delta

Omim ID

[607708](#)

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 delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns

Other Designations

CaM kinase II delta subunit|CaM-kinase II delta chain|CaMK-II delta subunit|OTTHUMP00000163829|OTTHUMP00000163830|calcium/calmodulin-dependent protein kinase (CaM kinase) II delta|calcium/calmodulin-dependent protein kinase type II delta chain

Pathway

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

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Tobacco Use Disorder](#)