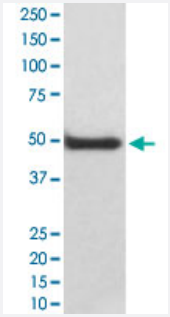
CAMK2D monoclonal antibody, clone ABBF-3

Catalog # MAB19692 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of A431 cell lysate with CAMK2D monoclonal antibody, clone ABBF-3 (Cat # MAB19692).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CAMK2D.
Immunogen	A synthetic peptide corresponding to human CAMK2D.
Host	Rabbit
Theoretical MW (kDa)	56.369
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Western Blot (Cell lysate)

  Western Blot analysis of A431 cell lysate with CAMK2D monoclonal antibody, clone ABBF-3 (Cat # MAB19692).

Gene Info — CAMK2D

Entrez GeneID	817
Protein Accession#	Q13557
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+)/c almodulin-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 differen t chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splic ing 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|OTTHUMP00000163 829|OTTHUMP00000163830|calcium/calmodulin-dependent protein kinase (CaM kinase) II delta| calcium/calmodulin-dependent protein kinase type II delta chain

Pathway

- Calcium signaling pathway

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- 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

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