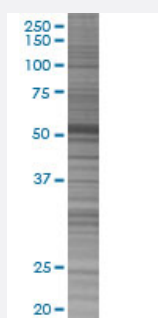


CAMK2B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000816-T01

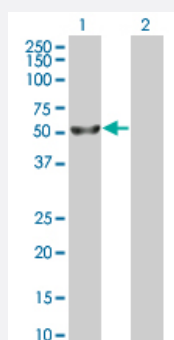
Size 100 uL

Applications



SDS-PAGE Gel

CAMK2B transfected lysate.



Western Blot

Lane 1: CAMK2B transfected lysate (55.44 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CAMK2B full-length

Host Human

Theoretical MW (kDa) 55.44

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CAMK2B antibody ([H00000816-B01](#)) by Western Blots.
SDS-PAGE Gel
CAMK2B transfected lysate.
Western Blot
Lane 1: CAMK2B transfected lysate (55.44 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CAMK2B

Entrez GeneID	816
GeneBank Accession#	NM_172081.1
Protein Accession#	-
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](#)