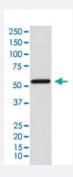


# CAMK2B monoclonal antibody, clone AECO-3

Catalog # MAB22301 Size 100 uL

## **Applications**



### Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

Specification	
Product Description	Rabbit monoclonal antibody raised against synthetic protein of human CAMK2B.
Immunogen	A synthetic peptide corresponding to human CAMK2B.
Host	Rabbit
Reactivity	Human
Specificity	This antibody reacts with human, mouse, rat CAMK2B, in native form and recombinant. Superfamily members of CAMK2B are not reactive to antibody.
Form	Liquid
Purification	Affinity purification
Isotype	lgG
Recommend Usage	Western Blot (1:500-2000) 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).



### **Product Information**

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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

Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

Gene Info — CAMK2B		
Entrez GenelD	<u>816</u>	
Protein Accession#	Q13554	
Gene Name	CAMK2B	
Gene Alias	CAM2, CAMK2, CAMKB, MGC29528	
Gene Description	calcium/calmodulin-dependent protein kinase II beta	
Omim ID	607707	
Gene Ontology	<u>Hyperlink</u>	
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 beta chain. It is possible tha t distinct isoforms of this chain have different cellular localizations and interact differently with calm odulin. 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 OTTHUMP000001593 55 OTTHUMP00000159356 calcium/calmodulin-dependent protein kinase (CaM kinase) II beta c alcium/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