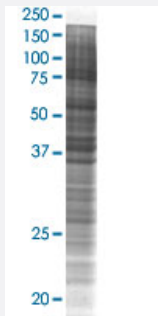


# CAMKK2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010645-T02

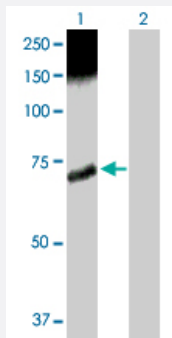
Size 100 uL

## Applications



### SDS-PAGE Gel

CAMKK2 transfected lysate.



### Western Blot

Lane 1: CAMKK2 transfected lysate ( 59.60 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                         |
|-------------------------------|-------------------------|
| Transfected Cell Line         | 293T                    |
| Plasmid                       | pCMV-CAMKK2 full-length |
| Host                          | Human                   |
| Theoretical MW (kDa)          | 59.6                    |
| Interspecies Antigen Sequence | Mouse (92); Rat (93)    |

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CAMKK2 antibody ([H00010645-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
CAMKK2 transfected lysate.  
Western Blot  
Lane 1: CAMKK2 transfected lysate ( 59.60 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 — CAMKK2

## Entrez GeneID

[10645](#)

## GeneBank Accession#

[NM\\_153499.2](#)

## Protein Accession#

[NP\\_705719.2](#)

## Gene Name

CAMKK2

## Gene Alias

CAMKK, CAMKKB, KIAA0787, MGC15254

## Gene Description

calcium/calmodulin-dependent protein kinase kinase 2, beta

## 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. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases. [provided by RefSeq]

## Other Designations

CAMKK beta protein|calcium/calmodulin-dependent protein kinase beta|calcium/calmodulin-dependent protein kinase kinase 2 beta

## Pathway

- [Adipocytokine signaling pathway](#)

## Disease

- [Agoraphobia](#)
- [Anxiety Disorders](#)
- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)
- [Tobacco Use Disorder](#)