

## CaMKK beta monoclonal antibody

Catalog: MB67180

Host: Mouse

Reactivity: Human, Mouse

### BackGround:

Calcium/Calmodulin-dependent Protein Kinase Kinase 2 (CaMKK2) is a member of the CaMK family that contains a central Ser/Thr kinase domain followed by a regulatory domain consisting of overlapping autoinhibitory and CaM-binding regions. CaMKK2 can be distinguished from other CaMK family members by the presence of a unique Pro/Arg/Gly-rich insert following the ATP-binding domain. CaMKK2 phosphorylates CaMKI at Thr177 and CaMKIV at Thr200. CaMKK2 also phosphorylates AMPK $\alpha$  in response to calcium. CaMKK2 has been implicated in long-term memory formation and adipocyte development. CaMKK2 is phosphorylated at Ser511 by death-associated protein kinase (DAPK) in a signaling cascade thought to be involved in neuronal death.

### Product:

Mouse IgM kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 70 kDa

### Swiss-Prot:

Q96RR4

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/1000)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of CaMKK beta protein.

### DATA:



Western blot analysis of CaMKK beta expression in NCIH1299 (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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