

# PRODUCT DATA SHEET

Bioworld Technology, Inc.

# **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 AMPKα 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)

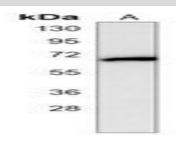
# Storage&Stability:

Store at 4  $^{\circ}$ C short term. Aliquot and store at -20  $^{\circ}$ 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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