

## CaMK2 alpha monoclonal antibody

Catalog: MB66862

Host: Mouse

Reactivity: Rat

### BackGround:

Calcium/calmodulin-dependent protein kinase that functions autonomously after Ca<sup>2+</sup>/calmodulin-binding and autophosphorylation, and is involved in various processes, such as synaptic plasticity, neurotransmitter release and long-term potentiation. Member of the NMDAR signaling complex in excitatory synapses, it regulates NMDAR-dependent potentiation of the AMPAR and therefore excitatory synaptic transmission.

### Product:

Mouse IgM. Supplied in crude ascites with 0.01% sodium azide.

### Molecular Weight:

~ 54 kDa

### Swiss-Prot:

P11798/P11275

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/4000)

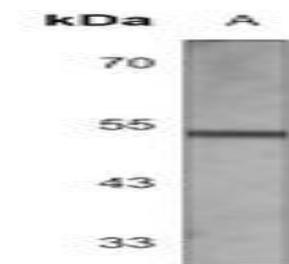
### Storage&Stability:

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

### Specificity:

Recognizes endogenous levels of CaMK2 alpha protein.

### DATA:



Western blot analysis of CaMK2 alpha expression in rat brain (A) whole cell lysates.

### Note:

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

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151