

CaMK2 alpha monoclonal antibody

Catalog: MB66862

Host: Mouse

Reactivity: Rat

BackGround:

Calcium/calmodulin-dependent protein kinase that functions autonomously after Ca²⁺/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)

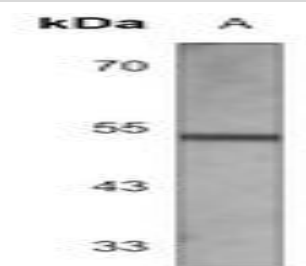
Storage&Stability:

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.

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