

---

**Product Name: CaMKII alpha Mouse Monoclonal Antibody****Catalog #: AMM85069**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 54 kDa; Observed MW: 50 kDa

**Antigen Information**

<b>Gene Name</b>	CaMKII alpha CAMK2A; CAMKA; KIAA0968; Calcium/calmodulin-dependent protein kinase type II subunit
<b>Alternative Names</b>	alpha; CaM kinase II subunit alpha; CaMK-II subunit alpha; CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II subunit beta; Ca
<b>Gene ID</b>	815.0
<b>SwissProt ID</b>	Q9UQM7
<b>Immunogen</b>	Purified recombinant human CaMKII- $\alpha$ protein fragments expressed in E.coli.

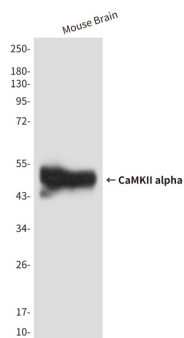
**Background**

CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and

neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.

## Research Area

## Image Data



Western blot analysis of CaMKII $\alpha$  in mouse Brain lysates using CaMKII $\alpha$  antibody.