

Product Name: CaMKII alpha (5D9) Mouse Monoclonal Antibody
Catalog #: AMM03689



Summary

Production Name	CaMKII alpha (5D9) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	CAMK2A CAMK2A; CAMKA; KIAA0968; Calcium/calmodulin-dependent protein kinase type II subunit alpha; CaM kinase II subunit alpha; CaMK-II subunit alpha; CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II subunit beta;
Alternative Names	Ca
Gene ID	815
SwissProt ID	Q9UQM7.

Application

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

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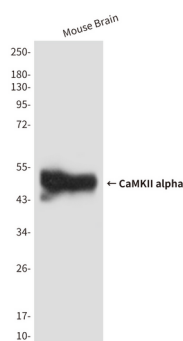
Background

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

Neuroscience

Image Data



Western blot analysis of CaMKII α in mouse Brain lysates using CaMKII α antibody.

Note

For research use only.