

Product Datasheet

CaMKII alpha Antibody

Catalog No: CY6778

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IP FC



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Information

UniProt ID: Q9UQM7

All Names: Alpha CaMKII; Calcium calmodulin dependent protein kinase II; Calcium/calmodulin dependent protein kinase type II alpha chain; Calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha; Calcium/calmodulin-dependent protein kinase II alpha; Calcium/calmodulin-dependent protein kinase type II subunit; CaM kinase II alpha chain; CaM kinase II alpha subunit; CaMK II alpha subunit; Camk2a; CAMKA; CaMKII; CaMKIINalpha; PK2CDD; PKCCD;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 54 kDa

Application

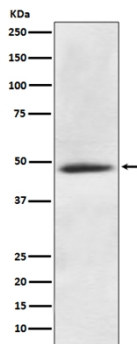
WB 1:1000~1:5000

IP 1:50

FC 1:100

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.



Western blot analysis of CaMKII alpha expression in SH-SY5Y cell lysate.

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