Phospho-Camk2a-T286

Reactivity:Human Mouse Rat

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000 Calculated MW:50kDa Observed MW:Refer to Figures Immunogen: A phospho specific peptide corresponding to residues surrounding T286 of human Camk2a Storage Buffer: Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CaMKII; R74975; mKIAA0968;



Catalog #:AP0255 Antibody Type: Polyclonal Antibody Species:Rabbit Gene ID:815 Isotype:IgG Swiss Prot:P11798 Purity:Affinity purification

For research use only.

Background:

The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene.

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