

CAMK2B

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:72kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human CAMK2B

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CAM2; CAMK2; CAMKB;

Catalog #:A2508

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:816

Isotype:IgG

Swiss Prot:Q13554

Purity:Affinity purification

For research use only.

Background:

The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Eight transcript variants encoding eight distinct isoforms have been identified for this gene.

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