

## CAMK2D

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

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

**Calculated MW:**56kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CAMK2D

**Storage Buffer:**

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

**Synonym:**

CAMKD;

**Catalog #:**A7323

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**817

**Isotype:**IgG

**Swiss Prot:**Q13557

**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 delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.

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