

CaMKII alpha Rabbit pAb

db20022

Package : 20µL 50µL 100µL

Product Name : CaMKII alpha Rabbit pAb**Cat.No.:** db20022**Synonyms** : CAMKA; MRD53; MRT63; CaMKIIalpha; CaMKIINalpha**Application** : WB, FC**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. Several transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jun 2018]

Immunogen

A synthetic peptide of human CaMKII alpha

Gene ID

815

Swiss Prot

Q9UQM7

Synonyms

CAMKA; MRD53; MRT63; CaMKIIalpha; CaMKIINalpha

Reactivity

Human, Mouse, Rat

Application

WB, FC

Recommended dilution

WB: 1:2000-1:10000

FC: 1:200

Calculated MW

54 kDa

Observed MW

54 kDa

Host species

Rabbit

Clonality

Polyclonal

Isotype

IgG

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.