

CaMK-II (Thr305) Antibody

Subcategory: Phosphospecific Antibody, Rabbit Polyclonal Antibody

Cat. No.: 252527

Unit: 0.1 ml

Description:

CaM Kinase 2 alpha (CAMKII alpha) is a prominent Ser/Thr kinase in the central nervous system that functions in long-term potentiation and neurotransmitter release. A member of the NMDAR signaling complex at the excitatory synapse, it regulates NMDAR-dependent potentiation of the AMPAR and synaptic plasticity. CAMK2a is composed of alpha, beta, gamma, and delta chains that assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits. CaMK2a interacts with BAALC, MPDZ, SYN1, CAMK2N2 and SYNGAP1. Phosphorylation of Thr286 produces an autonomously active form of CaM Kinase II. Autophosphorylation of Thr305 inhibits the activity CaM Kinase II.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: B, Ck, D, H, M, X, Zf

Format: Each vial contains 0.1 ml of crude serum with 0.09% sodium azide.

Alternate Names: CaMK2a; Calcium/calmodulin-dependent protein kinase type II alpha chain; CaM-kinase II alpha chain; CaM kinase II subunit alpha; CaMK-II subunit alpha; CaMK-II beta; Calcium/calmodulin-dependent protein kinase type II beta chain; Calcium/calmodulin-dependent protein kinase II beta; Calcium/calmodulin-dependent protein kinase II?; CaM-kinase II beta chain; CaM kinase II subunit beta; CaMK-II subunit beta; CaMKII?; CAMK2B; CAM2; CAMKB

Accession No.: P11275

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Thr305 of human CaMK-II.

Application Notes: E: 1:1,000; WB: 1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.