

## CaMK2a Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 250569

**Unit:** 0.1 mg

**Description:**

CaMK2a (CAMKII alpha, CaM Kinase 2 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.

**Isotype:** Rabbit Ig

**Applications:** E, IHC, WB

**Species Reactivity:** B, D, H, Mk, M, P, R, X

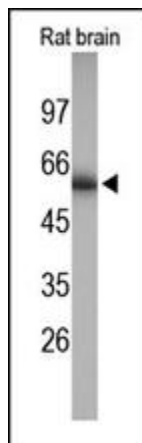
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**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

**Accession No.:** Q9UQM7

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CaMK2a.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



**The CaMK2a Antibody (Cat. No. 250569) is used in Western blot to detect CaMK2a in rat brain lysate.**

**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.