Anti-CaMK II alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010358

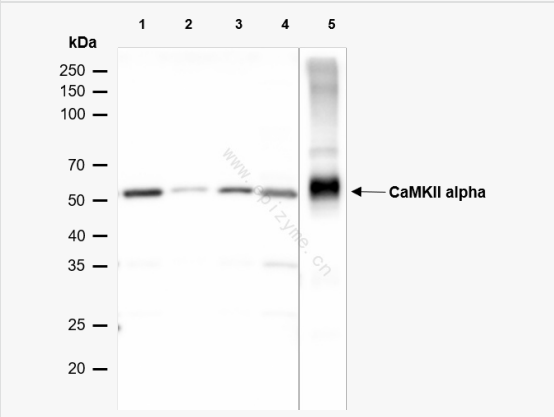
Product Information

Application	WB, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	40M09K92
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CaMKII
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-CaMK II alpha Rabbit mAb [40M09K92] is for research use only and not for use in diagnostic or therapeutic procedures.

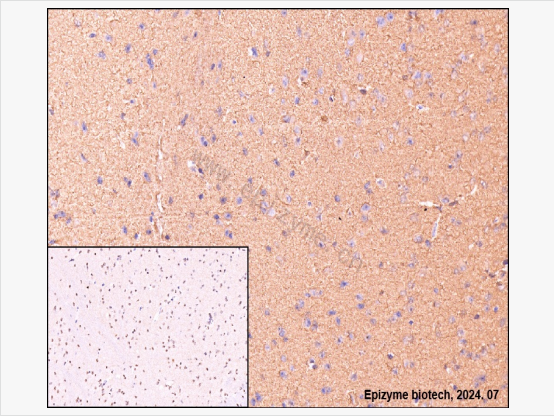
Protein Information

Synonyms	CAMK2A, CAMKA, KIAA0968, Calcium/calmodulin-dependent protein kinase type II subunit alpha, CaM kinase II subunit alpha, CaMK-II subunit alpha, Calcium/calmodulin-dependent protein kinase type II subunit beta, Ca.
Calculated MW	Calculated MW: 54 kDa; Observed MW: 54 kDa
Uniprot ID	Q9UQM7
Gene ID	815
Background	CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.

Validation Images



Western Blot - Anti-CaMKII alpha Rabbit mAb [40M09K92]
All lanes: R010358 at 1:2,000 dilution
Lane 1: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates
Lane 2: SCC-9 (human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 3: U2OS (human osteosarcoma epithelial cell) whole cell lysates
Lane 4: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5 :Rat brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 54 kDa
Observed band size: 54 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CaMK II alpha Rabbit mAb [40M09K92]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brrain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010358 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.