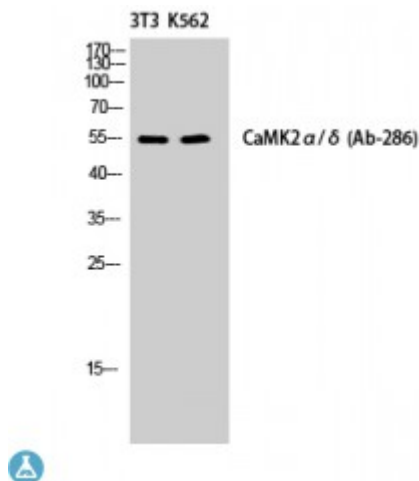


Anti-CaMKI alpha/delta antibody



Description	Rabbit polyclonal to CaMKIIalpha/delta.
Model	STJ91988
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human CaMKIIalpha/delta around the non-phosphorylation site of T286.
Immunogen Region	230-310 aa
Gene ID	815
Gene Symbol	CAMK2A
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	CaMKIIalpha/delta Polyclonal Antibody detects endogenous levels of CaMKIIalpha/delta protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha CaM kinase II subunit alpha CaMK-II subunit alpha
Molecular Weight	54 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14600MIM:114078
Alternative Names	Calcium/calmodulin-dependent protein kinase type II subunit alpha CaM kinase II subunit alpha CaMK-II subunit alpha
Function	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 . Phosphorylates transcription factor FOXO3 on 'Ser-298' . Activates FOXO3 transcriptional activity .
Cellular Localization	Cell junction, synapse, presynaptic cell membrane Cell junction, synapse. Postsynaptic lipid rafts.

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