

Product Name: Phospho-CaMKII (Thr305) Rabbit Polyclonal Antibody
Catalog #: APRab00792

Summary

Production Name	Phospho-CaMKII (Thr305) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	CAMK2A
Alternative Names	CAMK2A; CAMKA; KIAA0968; Calcium/calmodulin-dependent protein kinase type II subunit alpha; CaM kinase II subunit alpha; CaMK-II subunit alpha; CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II subunit beta; Ca
Gene ID	815/816/817
SwissProt ID	Q9UQM7/Q13554/Q13557

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 54 kDa; Observed MW: 54 kDa

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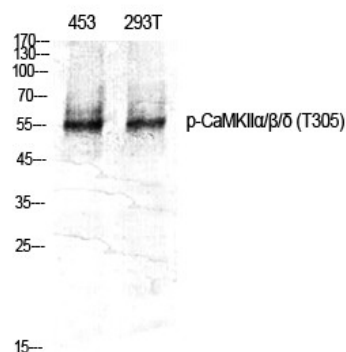
Background

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.

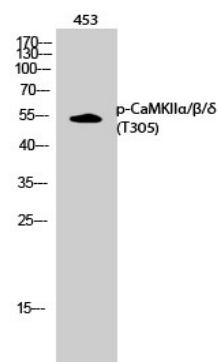
Research Area

Neuroscience

Image Data



Western blot analysis of Phospho-CaMKII (Thr305) in various lysates using Phospho-CaMKII (Thr305) antibody.



Western blot analysis of Phospho-CaMKII (Thr305) in 453 lysates using Phospho-CaMKII $\alpha/\beta/\delta$ (T305) antibody.

Note

For research use only.