
Product Name: CaMKI β Rabbit Polyclonal Antibody**Catalog #: APRab07894**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	38kDa

Antigen Information

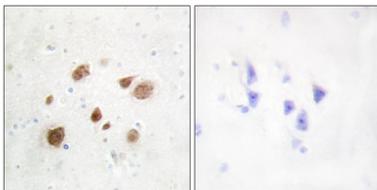
Gene Name	PNCK PNCK; Calcium/calmodulin-dependent protein kinase type 1B; CaM kinase I beta; CaM
Alternative Names	kinase IB; CaM-KI beta; CaMKI-beta; Pregnancy up-regulated non-ubiquitously-expressed CaM kinase
Gene ID	139728.0
SwissProt ID	Q6P2M8
Immunogen	The antiserum was produced against synthesized peptide derived from human CaMK1-beta. AA range:161-210

Background

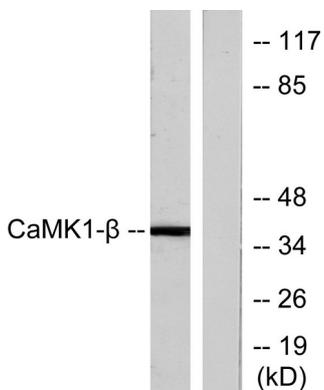
PNCK is a member of the calcium/calmodulin-dependent protein kinase family of protein serine/threonine kinases (see CAMK1; MIM 604998) (Gardner et al., 2000 [PubMed 10673339]).[supplied by OMIM, Mar 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activated by Ca(2+)/calmodulin.,function:Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates CREB1 and SYN1/synapsin I. Phosphorylates and activates CAMK1.,PTM:Phosphorylated by CAMKK1.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.,similarity:Contains 1 protein kinase domain.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CaMK1-beta Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, treated with H₂O₂ 100uM 30 ' ; using CaMK1-beta Antibody. The lane on the right is blocked with the synthesized peptide.