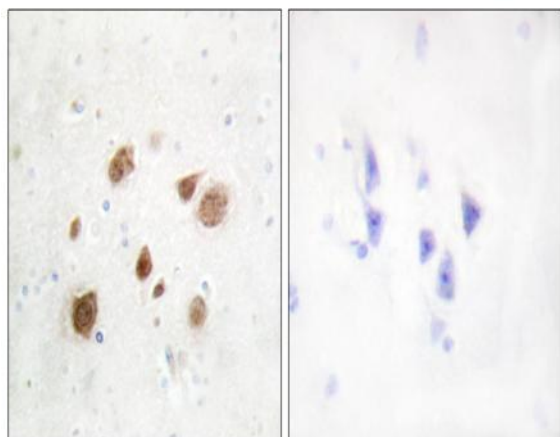


CaMKI β Polyclonal Antibody

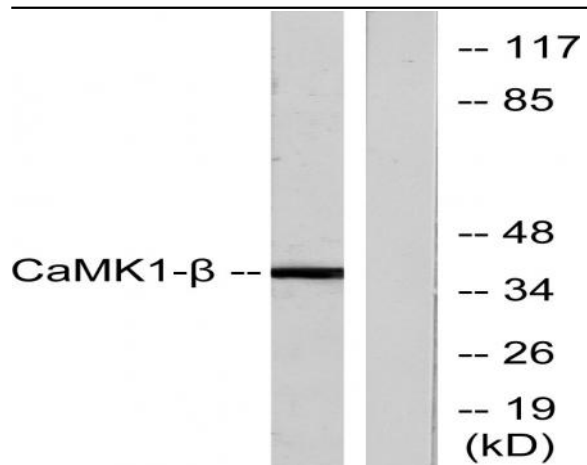
Catalog No :	YT0629
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	CaMKI β
Gene Name :	PNCK
Protein Name :	Calcium/calmodulin-dependent protein kinase type 1B
Human Gene Id :	139728
Human Swiss Prot No :	Q6P2M8
Mouse Gene Id :	93843
Mouse Swiss Prot No :	Q9QYK9
Rat Gene Id :	29660
Rat Swiss Prot No :	O70150
Immunogen :	The antiserum was produced against synthesized peptide derived from human CaMK1-beta. AA range:161-210
Specificity :	CaMKI β Polyclonal Antibody detects endogenous levels of CaMKI β protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	38kD
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],
Function :	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.,
Subcellular Location :	Cytoplasm . Nucleus .
Expression :	Brain,Liver,Placenta,Thalamus,

Products Images



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.