



# CaMKI $\beta$ Monoclonal Antibody

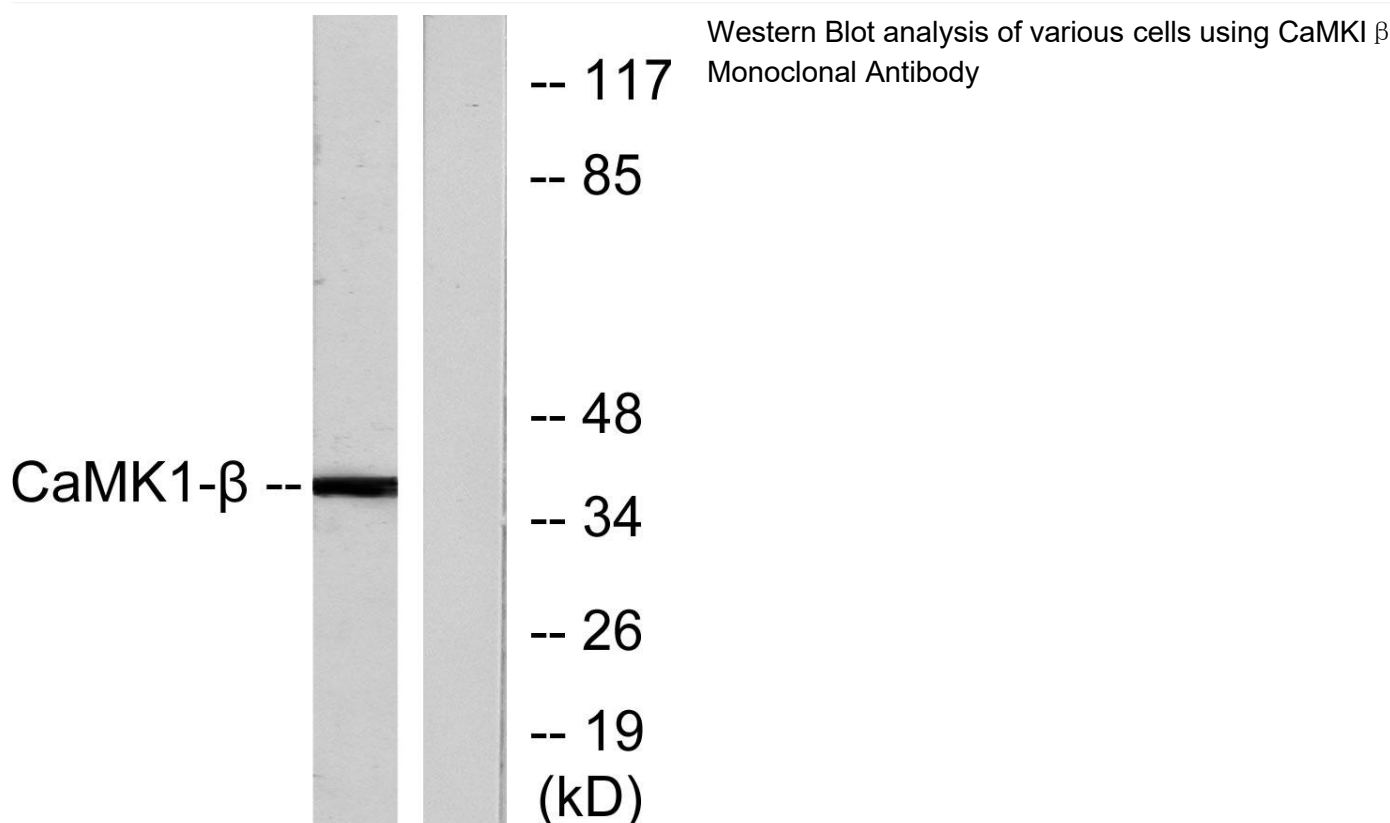
Catalog No	BYmab-14691
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PNCK
Protein Name	Calcium/calmodulin-dependent protein kinase type 1B
Immunogen	The antiserum was produced against synthesized peptide derived from human CaMK1-beta. AA range:161-210
Specificity	CaMKI $\beta$ Monoclonal Antibody detects endogenous levels of CaMKI $\beta$ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	PNCK; Calcium/calmodulin-dependent protein kinase type 1B; CaM kinase I beta; CaM kinase IB; CaM-KI beta; CaMKI-beta; Pregnancy up-regulated non-ubiquitously-expressed CaM kinase
Observed Band	38kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Brain,Liver,Placenta,Thalamus,
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.,

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<b>Background</b>	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],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



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