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PNCK Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16935b

Product Information

Application	WB, E
Primary Accession	Q6P2M8
Other Accession	NP_001034671.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36406
Calculated MW	38500
Antigen Region	295-323

Additional Information

Gene ID	139728
Other Names	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, PNCK
Target/Specificity	This PNCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 295-323 amino acids from the C-terminal region of human PNCK.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PNCK Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PNCK
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 (By similarity).

Cellular Location Cytoplasm. Nucleus.

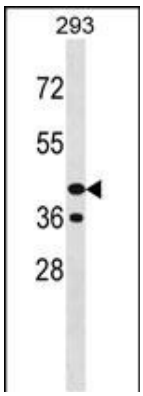
Background

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]).

References

Deb, T.B., et al. Am. J. Physiol., Cell Physiol. 295 (2), C365-C377 (2008) :
Gardner, H.P., et al. Cancer Res. 60(19):5571-5577(2000)
Gardner, H.P., et al. Genomics 63(2):279-288(2000)

Images



PNCK Antibody (C-term) (Cat. #AP16935b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the PNCK antibody detected the PNCK protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.