

Datasheet for ABIN1413254
anti-PNCK antibody (AA 31-160) (HRP)



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Overview

Quantity:	100 µL
Target:	PNCK
Binding Specificity:	AA 31-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PNCK antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PNCK
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig
Purification:	Purified by Protein A.

Target Details

Target:	PNCK
Alternative Name:	PNCK (PNCK Products)
Background:	Synonyms: Calcium/calmodulin dependent protein kinase type 1B, Calcium/calmodulin-

Target Details

dependent protein kinase type 1B, CaM KI beta, CaM kinase I beta, CaM kinase IB, CaM-KI beta, CaMK1b, CaMKI beta, CaMKI-beta, EC 2.7.11.17, KCC1B_HUMAN, MGC45419, PNCK, Pregnancy up regulated non ubiquitously expressed CaM kinase, Pregnancy up-regulated non-ubiquitously-expressed CaM kinase.

Background: The Ca²⁺/calmodulin-dependent protein kinases (CaMKs) comprise a structurally related subfamily of serine/threonine kinases. CaMKI Beta (Ca²⁺/calmodulin-dependent protein kinase type 1B), also known as PNCK (pregnancy up-regulated non-ubiquitously expressed CaM kinase) or BSTK3, is a 343 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one protein kinase domain. Existing as multiple alternatively spliced isoforms, CaMKI Beta functions to catalyze the ATP-dependent phosphorylation of CaMKI, an event that activates CaMKI activity and may be important for Ca²⁺-triggered signaling cascades within the cell. The gene encoding CaMKI Beta maps to human chromosome X, which contains nearly 153 million base pairs and houses over 1,000 genes.

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months