

Datasheet for ABIN391139
anti-PNCK antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	PNCK
Binding Specificity:	AA 314-343, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PNCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 314-343 amino acids from the C-terminal region of human PNCK.
Clone:	RB1253-1254
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PNCK
Alternative Name:	PNCK (PNCK Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this

Target Details

basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.

Molecular Weight:	38500
Gene ID:	139728
NCBI Accession:	NP_001034671 , NP_001129212
UniProt:	Q6P2M8

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Cheng, Guo, Lu, Cao, Wang, Yang, Xia: "MnTM-4-PyP modulates endogenous antioxidant responses and protects primary cortical neurons against oxidative stress." in: CNS neuroscience & therapeutics , Vol. 21, Issue 5, pp. 435-45, (2015) (PubMed).
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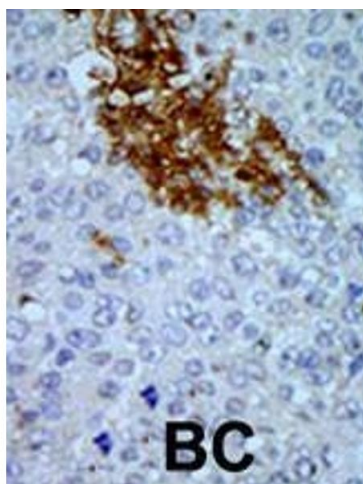
Shao, Geng, Ah Yi, Gogia, Neelamegham, Jacobs, Lovell: "Functionalization of cobalt porphyrin-phospholipid bilayers with his-tagged ligands and antigens." in: **Nature chemistry**, Vol. 7, Issue 5, pp. 438-46, (2015) ([PubMed](#)).

Ignatious Raja, Katanayeva, Katanaev, Galizia: "Role of Go/i subgroup of G proteins in olfactory signaling of *Drosophila melanogaster*." in: **The European journal of neuroscience**, Vol. 39, Issue 8, pp. 1245-55, (2014) ([PubMed](#)).

Dinh, Angeloni, Pederson, Wang, Cao, Dong: "Cranberry extract standardized for proanthocyanidins promotes the immune response of *Caenorhabditis elegans* to *Vibrio cholerae* through the p38 MAPK pathway and HSF-1." in: **PLoS ONE**, Vol. 9, Issue 7, pp. e103290, (2014) ([PubMed](#)).

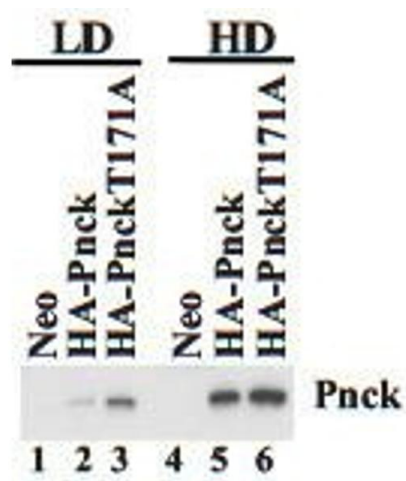
Kumar, Mohan, Upadhyay, Singh, Sahu, Dwivedi, Dey, Dey: "Identification of serum sirtuins as novel noninvasive protein markers for frailty." in: **Aging cell**, Vol. 13, Issue 6, pp. 975-80, (2014) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Neo, HA-Pnck and HA-Pnck T171A HEK-293 cells were plated at low (LD) and high (HD) cell density and lysates prepared after 48 hours. Equal amounts of total protein were immunoblotted for HA-Pnck (WB: Pnck) expression.