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Datasheet for ABIN129595

anti-PNKP antibody (Internal Region)

1 Image

Overview

Quantity:	100 µg
Target:	PNKP
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PNKP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an of human PNK protein.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	PNKP
Alternative Name:	PNK (PNKP Products)
Background:	Mammalian PNK (also known as PNKP, Polynucleotide kinase 3'-phosphatase, DNA 5'-

Target Details

kinase/3'-phosphatase and Polynucleotide kinase) catalyzes the 5' phosphorylation of nucleic acids and can have associated 3' phosphatase activity, predictive of an important function in DNA repair following ionizing radiation or oxidative damage. PNK is a nuclear protein that is expressed in many tissues with highest expression in spleen and testis, and lowest expression in small intestine.

Synonyms: Mammalian PNK, PNKP, Polynucleotide kinase 3'-phosphatase, DNA 5'-kinase/3'-phosphatase, Polynucleotide kinase

Gene ID: 11284, 31543419

UniProt: [Q96T60](#)

Pathways: [DNA Damage Repair](#), [Nucleotide Phosphorylation](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 57 kDa in size corresponding to PNK by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

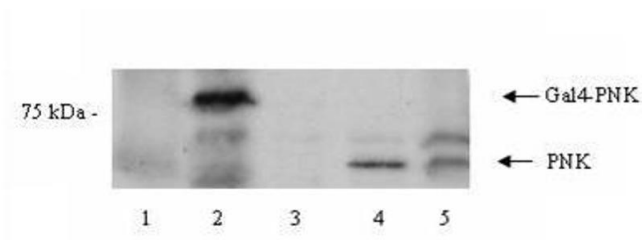
Concentration: 1.46 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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: -20 °C



Western Blotting

Image 1. Western blot using Affinity Purified anti-PNK antibody shows detection of a 57 kDa band corresponding to human PNK in a Y190 yeast cell lysate (lane 1), Y190 yeast cell lysate + human PNK (Gal DNA BP) (lane 2), EM9 XH Chinese hamster ovary cell lysate (lane 3), EM9 XH Chinese hamster ovary cell lysate + human PNK (lane 4) and a HeLa cell lysate (lane 5). Approximately 10 μ g of lysate was run on SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:1000 dilution of anti-PNK antibody incubated for 1 hr in TBST at room temperature. Signal was detected using standard techniques.