

Rabbit anti-Human PNKP Polyclonal Antibody | anti-PNKP antibody

PNKP Antibody (N-term)

CATALOG # AAA288182	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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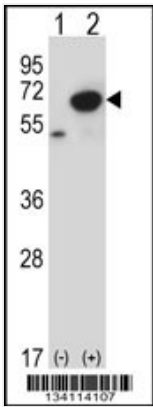
PRODUCT SYNONYMS

PNKP; Polyclonal Antibody; PNKP Antibody (N-term); Bifunctional polynucleotide phosphatase/kinase; DNA 5'-kinase/3'-phosphatase; Polynucleotide kinase-3'-phosphatase; Polynucleotide 3'-phosphatase; 2'(3')-polynucleotidase; Polynucleotide 5'-hydroxyl-kinase; anti-PNKP antibody

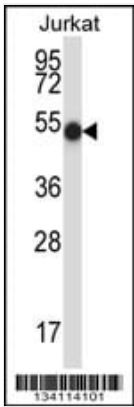
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PNKP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-138 amino acids from the N-terminal region of human PNKP.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	109-138
Sequence Length	521
Applicable Applications for anti-PNKP antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of PNKP (arrow) using rabbit polyclonal PNKP Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PNKP gene.



WB (Western Blot)
PNKP Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the PNKP antibody detected the PNKP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PNKP antibody	This locus represents a gene involved in DNA repair. In response to ionizing radiation or oxidative damage, the protein encoded by this locus catalyzes 5' phosphorylation and 3' dephosphorylation of nucleic acids. Mutations at this locus have been associated with microcephaly, seizures, and developmental delay.
References	Arora, M., et al. Leukemia 24(8):1470-1475(2010) Thyagarajan, B., et al. Biol. Blood Marrow Transplant. 16(8):1084-1089(2010) Briggs, F.B., et al. Am. J. Epidemiol. 172(2):217-224(2010) Shen, J., et al. Nat. Genet. 42(3):245-249(2010) Ali, A.A., et al. Nucleic Acids Res. 37(5):1701-1712(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543419
NCBI GeneID	11284
NCBI Accession #	NP_009185.2
NCBI GenBank Nucleotide #	NM_007254.3
UniProt Accession #	Q96T60; Q9BUL2; Q9P1V2; Q9UKU8; Q9UNF8; Q9UNI0
Molecular Weight	57076
NCBI Official Full Name	bifunctional polynucleotide phosphatase/kinase
NCBI Official Synonym Full Names	polynucleotide kinase 3'-phosphatase
NCBI Official Symbol	PNKP
NCBI Official Synonym Symbols	PNK; AOA4; MCSZ; EIEE10
NCBI Protein Information	bifunctional polynucleotide phosphatase/kinase
UniProt Protein Name	Bifunctional polynucleotide phosphatase/kinase
UniProt Gene Name	PNKP
UniProt Entry Name	PNKP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pnkp-antibody-western-blot-elisa/288182>