

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

PNKP antibody

CATALOG # AAA302145	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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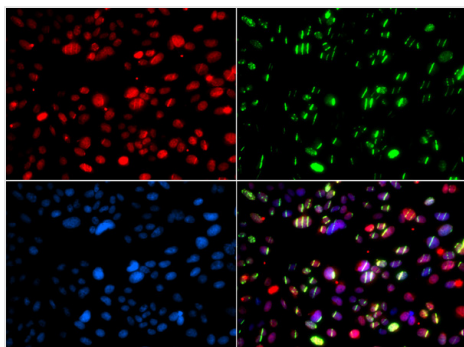
PRODUCT SYNONYMS

PNKP; Polyclonal Antibody; PNKP antibody; PNK; MCSZ; EIEE10; anti-PNKP antibody

PRODUCT SPECIFICATIONS

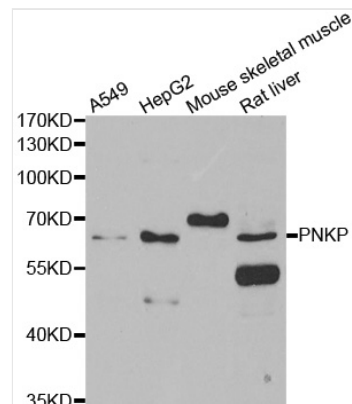
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PNKP antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	521
Applicable Applications for anti-PNKP antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PNKP.
Target Name	PNKP
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cell using PNKP antibody. Green degree GFP-RNF168 fusion protein expression for DNA damage marker. Blue: DAPI for nuclear staining. RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PNKP antibody.

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.
Product Categories/Family for anti-PNKP antibody	Total protein Ab

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	53,004 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pnkp-antibody-immunofluorescence-western-blot-elisa/302145>