

Rabbit PNKP Polyclonal Antibody | anti-PNKP antibody

PNKP Polyclonal Antibody

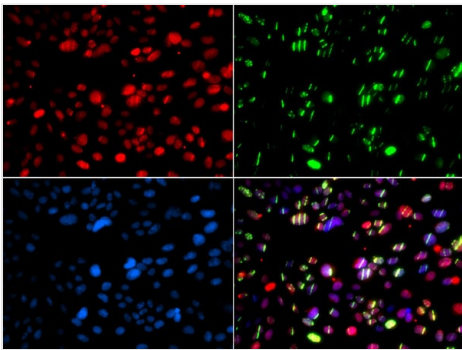
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28091	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

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

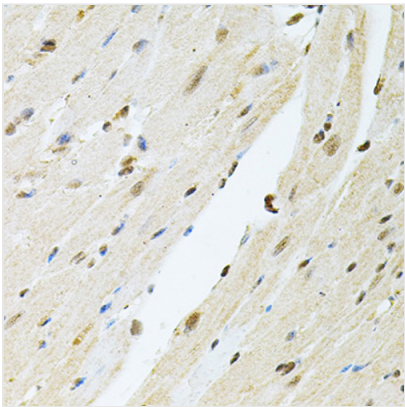
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	521
Applicable Applications for anti-PNKP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PNKP
Calculated Molecular Weight	57kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



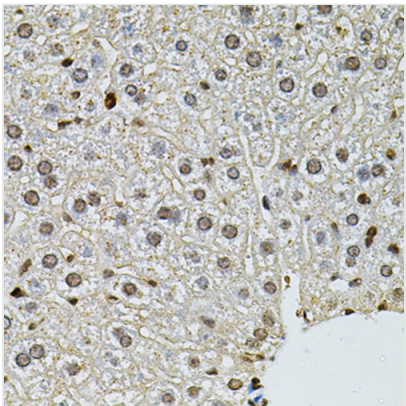
IF (Immunofluorescence)

Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using PNKP antibody. Green: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.



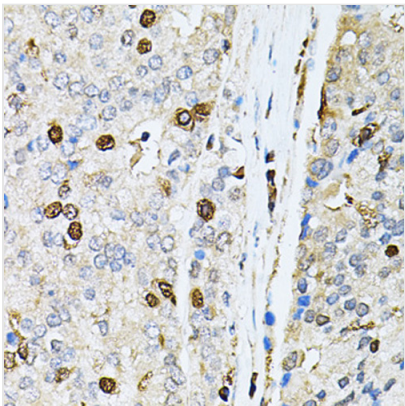
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse heart using PNKP antibody at dilution of 1:100 (40x lens).



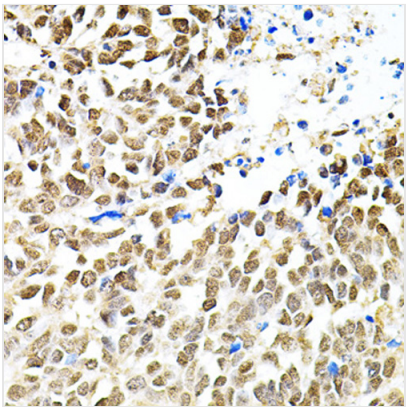
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using PNKP antibody at dilution of 1:100 (40x lens).



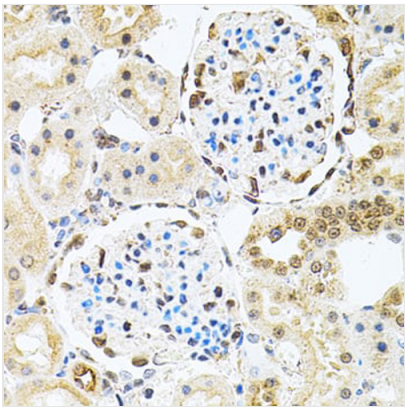
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using PNKP antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using PNKP antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using PNKP antibody at dilution of 1:100 (40x lens).

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	50401132
NCBI GeneID	11284
UniProt Accession #	Q96T60; Q9BUL2; Q9P1V2; Q9UKU8; Q9UNF8; Q9UNI0
Molecular Weight	521
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; MCSZ; EIEE10
NCBI Protein Information	bifunctional polynucleotide phosphatase/kinase; DNA 5'-kinase/3'-phosphatase; Homo sapiens polynucleotide kinase 3'-phosphatase (PNKP)
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-immunohistochemistry-elisa/28091>