



[Go to Product page](#)

Datasheet for ABIN700544  
**anti-PNKP antibody (AA 51-160) (Cy5)**

### Overview

Quantity:	100 µL
Target:	PNKP
Binding Specificity:	AA 51-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PNKP antibody is conjugated to Cy5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PNK1/PNKP
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep
Purification:	Purified by Protein A.

### Target Details

Target:	PNKP
Alternative Name:	PNK1/PNKP ( <a href="#">PNKP Products</a> )
Background:	Synonyms: Bunctional polynucleotide phosphatase/kinase, DEM 1, DEM1, DNA 5' kinase/3'

## Target Details

---

phosphatase, PNK 1, PNK, PNK1, PNKP, Polynucleotide 5' hydroxyl kinase, Polynucleotide kinase 3 prime phosphatase, Polynucleotide kinase 3' phosphatase, Polynucleotide Kinase, PNKP\_HUMAN.

Background: Mammalian PNK catalyzes the phosphorylation of DNA at 5'-hydroxyl termini and can dephosphorylate its 3'-phosphate termini. It plays an important function in DNA repair following ionizing radiation or oxidative damage. PNK has been reported to participate in the repair of DNA-double strand breaks via PARP-1-dependent nonhomologous end-joining.

---

Gene ID: 11284

---

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

## Application Details

---

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Concentration: 1 µg/µL

---

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

---

Preservative: ProClin

---

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

---

Storage: -20 °C

---

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

---

Expiry Date: 12 months