

## ARG45949 anti-PNKP / PNK antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PNKP / PNK
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PNKP / PNK
Species	Human
Immunogen	Recombinant protein containing to human PNKP / PNK.
Conjugation	Un-conjugated
Alternate Names	PNKP; Polynucleotide Kinase 3'-Phosphatase; Polynucleotide kinase-3'-phosphatase; MCSZ; EIEE10; PNK; 2'; Bifunctional polynucleotide phosphatase/kinase; EC 3.1.3.32; EC 2.7.1.78; AOA4; 3'; DNA 5'-kinase/3'-phosphatase

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	57 kDa	

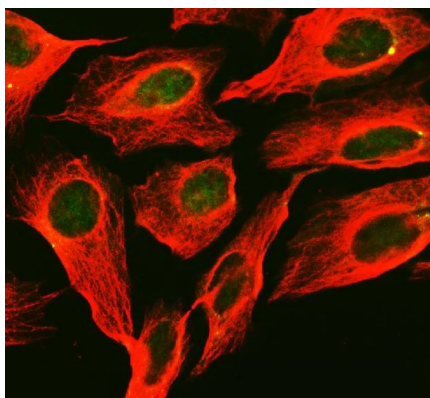
### Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -22°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

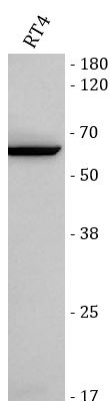
Gene Symbol	PNKP
Gene Full Name	Polynucleotide Kinase 3'-Phosphatase
Background	This locus represents a gene involved in DNA repair. In response to ionizing radiation or oxidative damage, the protein encoded by this locus catalyzes 5' phosphorylation and 3' dephosphorylation of nucleic acids. Mutations at this locus have been associated with microcephaly, seizures, and developmental delay.[provided by RefSeq, Sep 2010]
Function	Plays a key role in the repair of DNA damage, functioning as part of both the non-homologous end-joining (NHEJ) and base excision repair (BER) pathways. [UniProt]
Calculated Mw	57 kDa
PTM	Phosphoprotein; Acetylation. [UniProt]. [UniProt]
Cellular Localization	Nucleus; Chromosome. [UniProt]

## Images



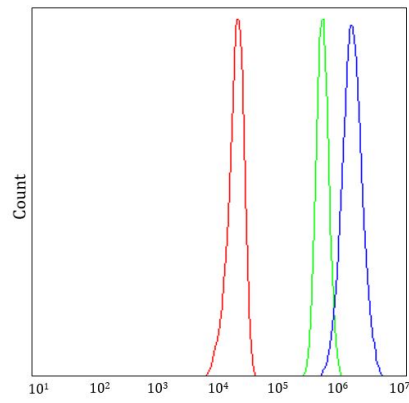
ARG45949 anti-PNKP / PNK antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45949 anti-PNKP / PNK antibody at 5 µg/ml dilution.



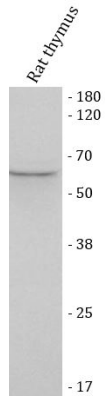
ARG45949 anti-PNKP / PNK antibody WB image

Western blot: RT4 stained with ARG45949 anti-PNKP / PNK antibody at 0.5 µg/ml dilution.



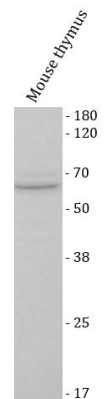
#### ARG45949 anti-PNKP / PNK antibody FACS image

Flow Cytometry: U251 stained with ARG45949 anti-PNKP / PNK antibody at  $1\text{ }\mu\text{g}/10^6$  cells dilution.



#### ARG45949 anti-PNKP / PNK antibody WB image

Western blot: Rat thymus stained with ARG45949 anti-PNKP / PNK antibody at  $0.5\text{ }\mu\text{g}/\text{ml}$  dilution.



#### ARG45949 anti-PNKP / PNK antibody WB image

Western blot: Mouse thymus stained with ARG45949 anti-PNKP / PNK antibody at  $0.5\text{ }\mu\text{g}/\text{ml}$  dilution.