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Datasheet for ABIN911595

anti-PNKP antibody (AA 51-160) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	PNKP
Binding Specificity:	AA 51-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PNKP antibody is conjugated to Alexa Fluor 647
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 (PNKP Products)
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