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Datasheet for ABIN700540 **anti-PNKP antibody (AA 51-160)**

Overview

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

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)

Target Details

Background:	<p>Synonyms: Bunctional polynucleotide phosphatase/kinase, DEM 1, DEM1, DNA 5' kinase/3' phosphatase, PNK 1, PNK, PNK1, PNKP, Polynucleotide 5' hydroxyl kinase, Polynucleotide kinase 3 prime phosphatase, Polynucleotide kinase 3' phosphatase, Polynucleotide Kinase, PNKP_HUMAN.</p> <p>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.</p>
Gene ID:	11284
Pathways:	DNA Damage Repair , Nucleotide Phosphorylation

Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months