

Product Name: PNK / PNKP (12Y10) Rabbit Monoclonal Antibody
Catalog #: AMRe16320



Summary

Production Name	PNK / PNKP (12Y10) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	PNKP {ECO:0000303 PubMed:10446192, ECO:0000312 HGNC:HGNC:9154}
Alternative Names	DEM1; EIEE10; MCSZ; PNK1; Pnkp;
Gene ID	11284.0
SwissProt ID	Q96T60.A synthetic peptide of human PNK/PNKP

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	57kDa

Background

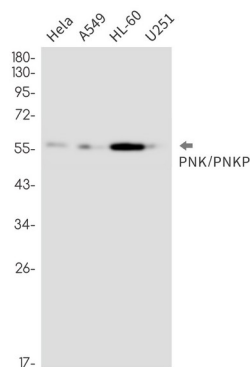
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Catalyzes the phosphorylation of DNA at 5'-hydroxyl termini and can dephosphorylate its 3'-phosphate termini. Plays an important function in DNA repair following ionizing radiation or oxidative damage. Plays a key role in the repair of DNA damage, functioning as part of both the non-homologous end-joining (NHEJ) and base excision repair (BER) pathways (PubMed: [10446192](http://www.uniprot.org/citations/10446192), PubMed: [10446193](http://www.uniprot.org/citations/10446193), PubMed: [15385968](http://www.uniprot.org/citations/15385968), PubMed: [20852255](http://www.uniprot.org/citations/20852255), PubMed: [28453785](http://www.uniprot.org/citations/28453785)). Through its two catalytic activities, PNK ensures that DNA termini are compatible with extension and ligation by either removing 3'-phosphates from, or by phosphorylating 5'-hydroxyl groups on, the ribose sugar of the DNA backbone (PubMed: [10446192](http://www.uniprot.org/citations/10446192), PubMed: [10446193](http://www.uniprot.org/citations/10446193)).

Research Area

Image Data



Western blot detection of PNK/PNKP in HeLa,A549,HL-60,U251 cell lysates using PNK/PNKP antibody(1:1000 diluted).

Note

For research use only.