

PNKP Rabbit mAb
Catalog # AP76661**Specification**

PNKP Rabbit mAb - Product Information

Application	WB, IHC-P, IP
Primary Accession	Q96T60
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	57076

PNKP Rabbit mAb - Additional Information**Gene ID** 11284**Other Names**
PNKP**Dilution**
WB~~1/500-1/1000
IHC-P~~N/A
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**PNKP Rabbit mAb - Protein Information****Name** PNKP {ECO:0000303|PubMed:10446192, ECO:0000312|HGNC:HGNC:9154}**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 (PubMed:10446192, PubMed:10446193, PubMed:15385968, PubMed:20852255, PubMed: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, PubMed:10446193).

Cellular Location

Nucleus. Chromosome. Note=Localizes to site of double-strand breaks.

Tissue Location

Expressed in many tissues with highest expression in spleen and testis, and lowest expression in small intestine (PubMed:10446192). Expressed in higher amount in pancreas, heart and kidney and at lower levels in brain, lung and liver (PubMed:10446193)

PNKP Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PNKP Rabbit mAb - Images

