

# PNKP Rabbit mAb

Catalog # AP76661

## Product Information

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Application	WB, IHC-P, IP
Primary Accession	<a href="#">Q96T60</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	57076

## Additional Information

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Gene ID	11284
Other Names	PNKP
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A
Format	Liquid

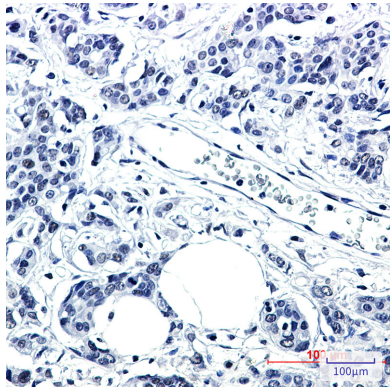
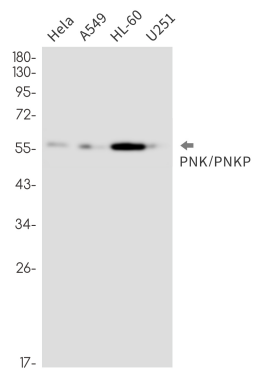
## Protein Information

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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: <a href="#">10446192</a> , PubMed: <a href="#">10446193</a> , PubMed: <a href="#">15385968</a> , PubMed: <a href="#">20852255</a> , PubMed: <a href="#">28453785</a> ). 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: <a href="#">10446192</a> , PubMed: <a href="#">10446193</a> ).
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)

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.