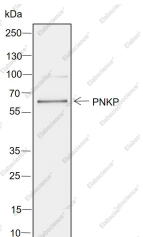
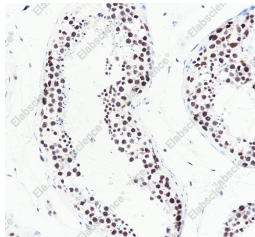
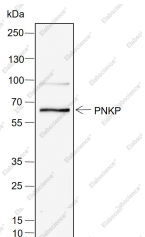
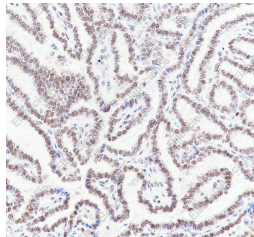


Recombinant PNKP Monoclonal Antibody

catalog number: **AN302032L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321653
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
WB	1:2000
IHC	1:100

Data	
 Western Blot with PNKP Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa Observed-MW:60 kDa Calculated-MW:57 kDa  Immunohistochemistry of paraffin-embedded Human testis using PNKP Monoclonal Antibody at dilution of 1:100.	 Western Blot with PNKP Monoclonal Antibody at dilution of 1:2000. Lane 1: PC-3 Observed-MW:60 kDa Calculated-MW:57 kDa  Immunohistochemistry of paraffin-embedded Human thyroid cancer using PNKP Monoclonal Antibody at dilution of 1:100.

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.2

PNK (polynucleotide kinase) is a DNA repair enzyme that participates in single strand break repair and non-homologous end rejoining (NHEJ) for double strand breaks. PNK possesses a 5'-DNA kinase activity and a 3'-DNA phosphatase activity. It has three domains, a C terminal kinase domain, a central phosphatase domain, and an N-terminal forkhead associated (FHA) domain that is responsible for protein protein interactions. Reduction in expression of PNK by RNAi sensitizes cells to ionizing radiation and topoisomerase I inhibitors.