

Recombinant PNKP Monoclonal Antibody

catalog number: **AN302032L**

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

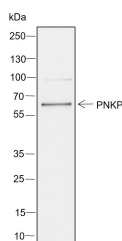
Description

Reactivity	Human;
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	IgG, κ
Clone	A752
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

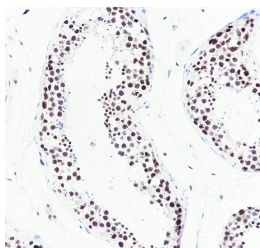
Applications	Recommended Dilution
WB	1:2000
IHC	1:100

Data

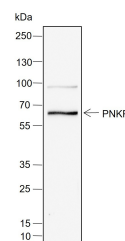


Western Blot with PNKP Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa

Observed-MW:60 kDa
Calculated-MW:57 kDa

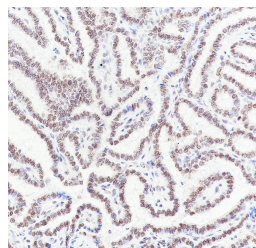


Immunohistochemistry of paraffin-embedded Human testis using PNKP Monoclonal Antibody at dilution of 1:100.



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

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.

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