

Product Name	Cat. No.	Pack Size
Anti-PNK Antibody	# BB-AB0105	80 µg (80 µl)

Product type: Primary Antibody

Clonality: Polyclonal

Source: Rabbit

Immunogen: Full-length human PNK protein expressed in *E. coli*.

Description: 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.

Purification: Purified against PNK protein affinity chromatography.

Specificity: It recognizes endogenous levels of total PNK protein.

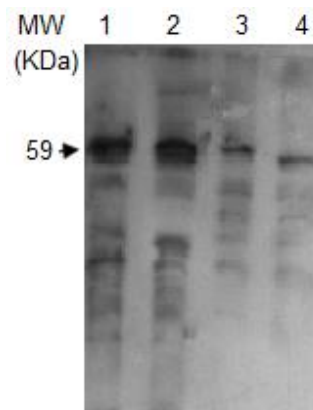
Recommended Dilutions:

Western Blotting 1:2000

ELISA 1:1000

Storage buffer: Tris Buffer pH 7.4, containing 50% Glycerol without azide.

Storage instructions: Store at -20°C (Recommended).



**Western blot analysis of Vero76 (lane 1), A549 (lane 2), PC12 (lane 3), and HEK (lane 4) cell extract using Anti- PNK polyclonal antibody. Band at 59 KDa is for PNK proteins.*

*N. B. (Membrane blocking): One hr at RT in 5% (w/v) non-fat milk; (Primary Ab): Overnight at 4°C in 1% non-fat milk; (Secondary Ab): One hr at RT in 1% non-fat milk. All incubations and washings are in 1X TBS, 0.1% Tween-20.

Exp. Date: 18 months upon receiving at proper storage condition as mentioned in datasheet.