

Anti-PNKP antibody (60-320) (STJ28776)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

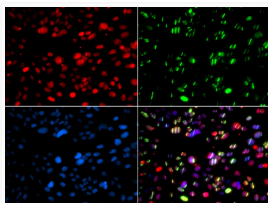
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IF/ICC:1:50-1:100 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 57kDa Observed Mw: 57kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

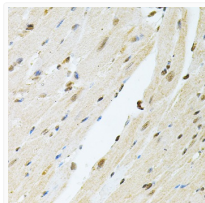
Gene ID	11284
Gene Symbol	PNKP
UniProt ID	PNKP_HUMAN
Immunogen Region	60-320
Immunogen Sequence	RTVAVKQLGVNPSTTGTQEL KPGLEGLSLGVGDTLYLVNGL HPLTLRWEEETRTPE SQPDTP PGTPLVSQDEKRDALPKKR MRKSNPGWENLEKLLVFTAA GVKPQKGK VAGFDLDGTLITT RSGKVFPPTGSPDWRILYPEI PRKLRELEAEGYKLVFTNQ MSIGRGKLP AEEFKAKVEAV VEKLGVPFQVLVATHAGLYR KPV TGMWDHLQE QANDGTPI SIGDSIFVGDAAGR PANWA
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 60-320 of human PNKP (NP_009185.2).

ADDITIONAL INFORMATION

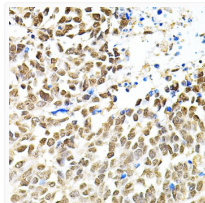
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



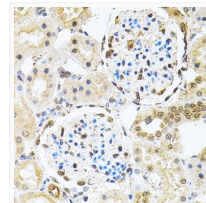
Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using PNKP antibody (STJ28776). Green: GFP-RNF168 fusion protein expression for DNA damage marker. Blue: DAPI for nuclear staining. RNF168 (GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



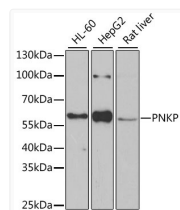
Immunohistochemistry analysis of paraffin-embedded mouse heart using PNKP antibody (STJ28776) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using PNKP antibody (STJ28776) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using PNKP antibody (STJ28776) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using PNKP antibody (STJ28776) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.