

PNKP antibody

Catalog No: #39107

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Description

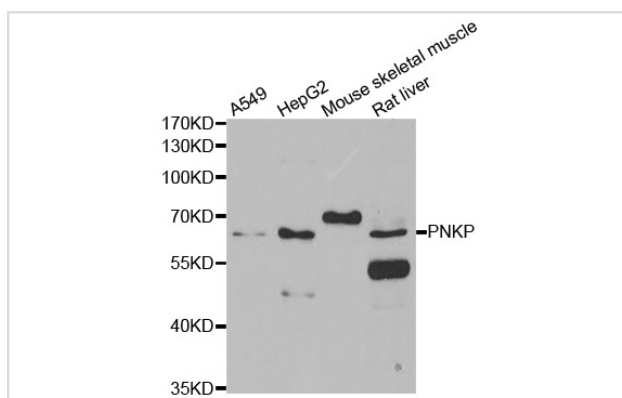
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|-----------------------|--|
| Product Name | PNKP antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB IF |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of total PNKP antibody. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant protein of human PNKP. |
| Target Name | PNKP |
| Other Names | PNK; MCSZ; EIEE10; |
| Accession No. | Swiss-Prot#: Q96T60NCBI Gene ID: 11284 |
| SDS-PAGE MW | 57kd |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

Application Details

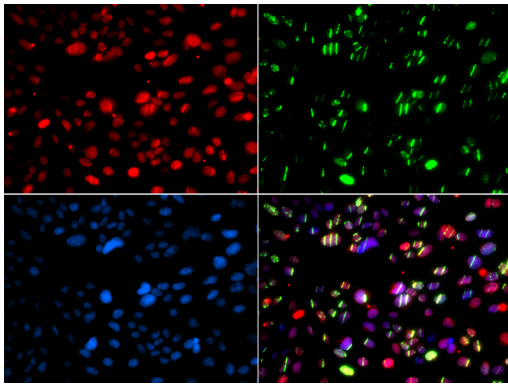
Western blotting: □ 1:500 - 1:2000

Immunofluorescence: 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using PNKP antibody.



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cell using PNKP antibody. GreenB1GFP-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.

Background

This locus represents a gene involved in DNA repair. In response to ionizing radiation or oxidative damage, the protein encoded by this locus catalyzes 5' phosphorylation and 3' dephosphorylation of nucleic acids. Mutations at this locus have been associated with microcephaly, seizures, and developmental delay.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.