



[Go to Product page](#)

Datasheet for ABIN524717

anti-PNKP antibody (AA 1-521)

2 Images

1 Publication

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 50 µL |
| Target: | PNKP |
| Binding Specificity: | AA 1-521 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Polyclonal |
| Conjugate: | This PNKP antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|------------|--|
| Purpose: | Mouse polyclonal antibody raised against a full-length human PNKP protein. |
| Immunogen: | PNKP (NP_009185, 1 a.a. ~ 521 a.a) full-length human protein. |
| Sequence: | MGEVEAPGRL WLESPPGGAP PIFLPSDGQA LVLGRGPLTQ VTDRKCSRTQ VELVADPETR TVAVKQLGVN PSTTGTQELK PGLEGLGSLGVG DTLYLVNGLH PLTLRWEETR TPESQPDTTP GTPLVSQDEK RDAELPKKRM RKSNGWENL EKLLVFTAAG VKPQKGK VAGF DLDGTLITTR SGKVFTGPS DWRILYPEIP RKLRELEAEG YKLVIFTNQM SIGRGKLP AE EFKAKVEAVV EKLGVPFQVL VATHAGLYRK PVTGMWDHLQ EQANDGTPIS IGDSIFVGDA AGRPANWAPG RKKKDFSCAD RLFALNLGLP FATPEEFFLK WPAAGFELPA FDPRTVSRSG PLCLPESRAL LSASPEVVVA VGFPGAGKST FLKKHLVSAG YVHVNRDTLG SWQRCVTTCE TALKQGKRVA IDNTNPDAAS RARYVQCARA AGVPCRCFLF TATLEQARHN NRFREMTDSS HIPVSDMVMY GYRKQFEAPT LAEGFSAILE IPFRLWVEPR LGRLYCQFSE G |

Product Details

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|-------------------|---|
| Cross-Reactivity: | Human |
| Characteristics: | Antibody reactive against mammalian transfected lysate. |

Target Details

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| Target: | PNKP |
| Alternative Name: | PNKP (PNKP Products) |
| Background: | Full Gene Name: polynucleotide kinase 3'-phosphatase Synonyms: PNK |
| Gene ID: | 11284 |
| NCBI Accession: | NM_007254 |
| Pathways: | DNA Damage Repair , Nucleotide Phosphorylation |

Application Details

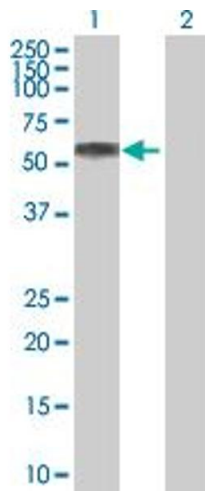
| | |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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|------------------|--|
| Format: | Liquid |
| Buffer: | No additive |
| Preservative: | Without preservative |
| Handling Advice: | Aliquot to avoid repeated freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Publications

| | |
|-------------------|---|
| Product cited in: | Markkanen, Fischer, Ledentcova, Kessler, Dianov: "Cells deficient in base-excision repair reveal cancer hallmarks originating from adjustments to genetic instability." in: Nucleic acids research , Vol. 43, Issue 7, pp. 3667-79, (2015) (PubMed). |
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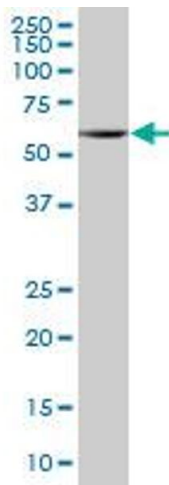


Western Blotting

Image 1. Western Blot analysis of PNKP expression in transfected 293T cell line by PNKP MaxPab polyclonal antibody.

Lane 1: PNKP transfected lysate(57.31 KDa).

Lane 2: Non-transfected lysate.



Western Blotting

Image 2. PNKP MaxPab polyclonal antibody. Western Blot analysis of PNKP expression in human spleen.