

## Rabbit NP Polyclonal Antibody | anti-PNP antibody

NP antibody - middle region

|                               |                       |                                                                                               |                                     |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA199923</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|

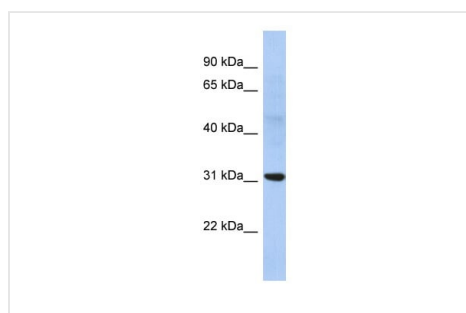
### PRODUCT SYNONYMS

NP; Polyclonal Antibody; NP antibody - middle region; anti-PNP antibody

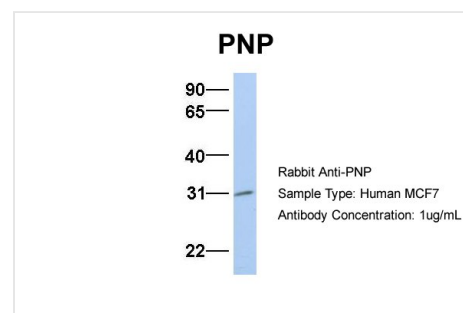
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish                                                                              |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Purity/Purification                           | Affinity Purified                                                                                                                                     |
| Form/Format                                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                      | Synthetic peptide with the following region: GV DTLVVTNAAG GLNPKFEVGD IMLIRDHINL PGFSGQNPLR GPNDERFG                                                  |
| Sequence Length                               | 289                                                                                                                                                   |
| Applicable Applications for anti-PNP antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                      | Cow: 86%; Dog: 86%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 86%; Rat: 93%; Yeast: 91%; Zebrafish: 79%                           |
| Immunogen                                     | The immunogen is a synthetic peptide directed towards the middle region of human NP                                                                   |
| Preparation and Storage                       | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES

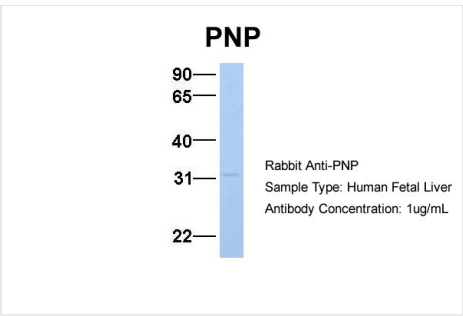


#### WB (Western Blot)

WB Suggested Anti-NP Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:62500  
Positive Control: THP-1 cell lysate


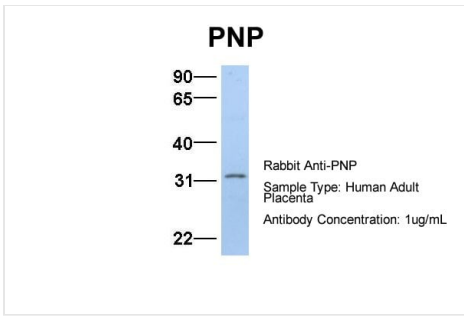
#### WB (Western Blot)

Host: Rabbit  
Target Name: PNP  
Sample Type: MCF7  
Antibody Dilution: 1.0 ug/ml  
PNP is supported by BioGPS gene expression data to be expressed in MCF7



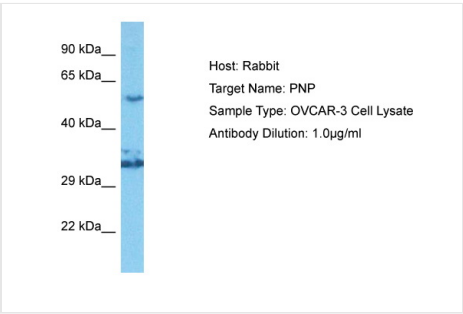
**WB (Western Blot)**

Host: RabbitTarget Name: PNPSample Type: Human Fetal LiverAntibody Dilution: 1.0ug/ml



**WB (Western Blot)**

Host: RabbitTarget Name: PNPSample Type: Human Adult PlacentaAntibody Dilution: 1.0ug/ml



**WB (Western Blot)**

Host: RabbitTarget Name: PNPSample Tissue: Human OVCAR-3 Whole CellAntibody Dilution: 1ug/ml

**ADDITIONAL INFORMATION**

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PNP antibody</b> | <p>This is a rabbit polyclonal antibody against NP. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: Defects in NP are the cause of nucleoside phosphorylase deficiency (NP deficiency). It leads to a severe T-cell immunodeficiency with neurologic disorder in children. The specific function of NP is not yet known.This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective T-cell (cell-mediated) immunity but can also affect B-cell immunity and antibody responses. Neurologic disorders may also be apparent in patients with immune defects. A known polymorphism at aa position 51 that does not affect enzyme activity has been described. A pseudogene has been identified on chromosome 2. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| <b>Product Categories/Family for anti-PNP antibody</b>   | Polyclonal; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Disease Related; Cell Differentiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | <a href="#">157168362</a>       |
| NCBI GeneID                      | <a href="#">4860</a>            |
| NCBI Accession #                 | <a href="#">NP_000261</a>       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000270</a>       |
| UniProt Accession #              | <a href="#">P00491</a>          |
| Molecular Weight                 | 32kDa                           |
| NCBI Official Full Name          | purine nucleoside phosphorylase |
| NCBI Official Synonym Full Names | purine nucleoside phosphorylase |

|                               |                                 |
|-------------------------------|---------------------------------|
| NCBI Official Symbol          | PNP                             |
| NCBI Official Synonym Symbols | NP; PUNP; PRO1837               |
| NCBI Protein Information      | purine nucleoside phosphorylase |
| UniProt Protein Name          | Purine nucleoside phosphorylase |
| UniProt Gene Name             | <b>PNP</b>                      |
| UniProt Synonym Gene Names    | NP; PNP                         |
| UniProt Entry Name            | PNPH_HUMAN                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/np-antibody-western-blot-elisa/199923>