

Product datasheet for **TA346671**

Nucleoside phosphorylase (PNP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NP antibody: synthetic peptide directed towards the middle region of human NP. Synthetic peptide located within the following region: GVDTLVVTNAAGGLNPKFEVGDIMLIRDHINLPGFSGQNPLRGPNDERFG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32 kDa
Gene Name:	purine nucleoside phosphorylase
Database Link:	NP_000261 Entrez Gene 4860 Human P00491



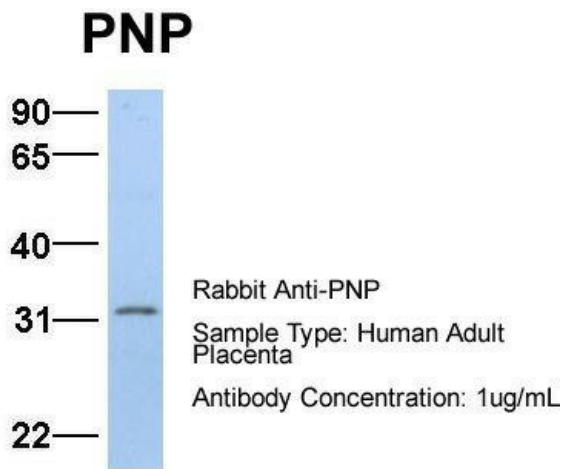
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Background:	This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective 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. [provided by RefSeq, Jul 2008]
Synonyms:	NP; PRO1837; PUNP
Note:	Immunogen Sequence Homology: Human: 100%; Pig: 93%; Rat: 93%; Horse: 93%; Mouse: 93%; Guinea pig: 93%; Yeast: 91%; Dog: 86%; Bovine: 86%; Rabbit: 86%; Zebrafish: 79%
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

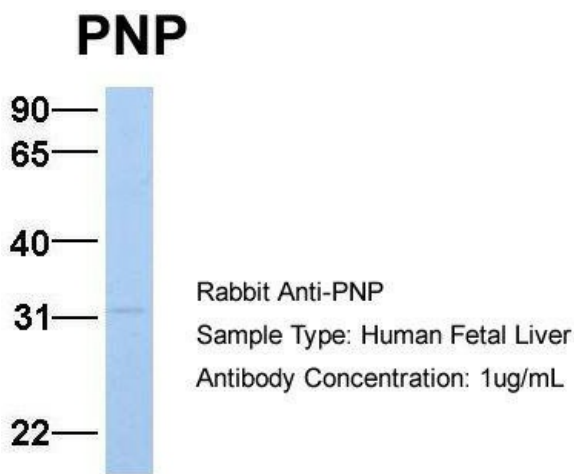
Product images:



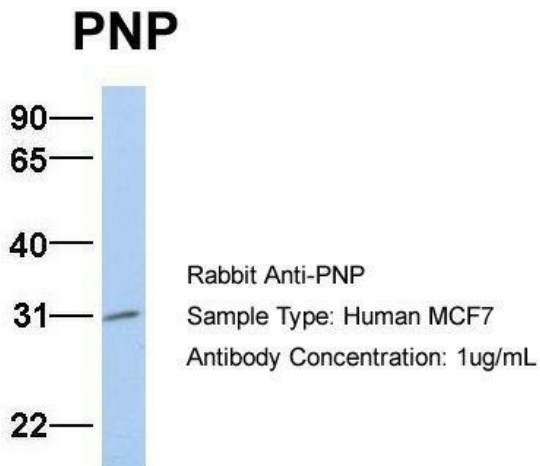
WB Suggested Anti-NP Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: THP-1 cell lysate



Host: Rabbit; Target Name: PNP; Sample Tissue: Human Adult Placenta; Antibody Dilution: 1.0 ug/ml



Host: Rabbit; Target Name: PNP; Sample Tissue: Human Fetal Liver; Antibody Dilution: 1.0 ug/ml



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