

Datasheet for ABIN6145854  
**anti-PNP antibody (AA 1-289)**



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1 Image

## Overview

Quantity:	100 µL
Target:	PNP (NP)
Binding Specificity:	AA 1-289
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PNP antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-289 of human PNP (NP_000261.2).
Sequence:	MENGYTYEDY KNTAEWLLSH TKHRPQVAII CGSGLGGLTD KLTQAQIFDY GEIPNFPRST VPGHAGRLVF GFLNGRACVM MQGRFHMYEG YPLWKVTFPV RVFHLLGVDT LVVTNAAGGL NPKFEVGDIM LIRDHINLPG FSGQNPLRGP NDERFGDRFP AMSDAYDRTM RQRALSTWKQ MGEQRELQEG TYVMVAGPSF ETVAECRVLQ KLGADAVGMS TVPEVIVARH CGLRVFGFSL ITNKVIMDYE SLEKANHEEV LAAGKQAAQK LEQFVSILMA SIPLPKAS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

## Target Details

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Target:	PNP (NP)
Alternative Name:	PNP ( <a href="#">NP Products</a> )
Target Type:	Viral Protein
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.,PNP,NP,PRO1837,PUNP,Neuroscience,Neurodegenerative Diseases,PNP
Molecular Weight:	32 kDa
Gene ID:	4860
UniProt:	<a href="#">P00491</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Ribonucleoside Biosynthetic Process</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

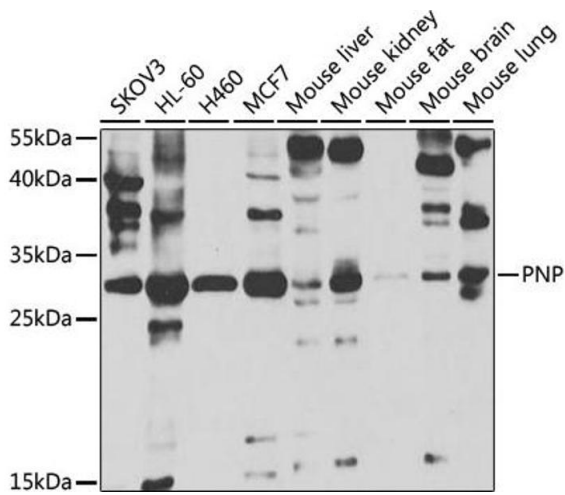
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Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PNP antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.