

Datasheet for ABIN5647213  
**anti-PNP antibody (AA 161-189)**[Go to Product page](#)

## 6 Images

## Overview

Quantity:	100 µg
Target:	PNP (NP)
Binding Specificity:	AA 161-189
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 161-189 (AMSDAYDRTMRQRALSTWKQMGEQRELQE-human) were used as the immunogen for the Purine nucleoside phosphorylase antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

## Target Details

Target:	PNP (NP)
Alternative Name:	PNP / Purine Nucleoside Phosphorylase ( <a href="#">NP Products</a> )
Target Type:	Viral Protein
Background:	The PNP gene encodes Purine nucleoside phosphorylase, an enzyme that catalyzes the reversible phosphorolysis of the purine nucleosides and deoxynucleosides inosine, guanosine,

## Target Details

deoxyinosine, and deoxyguanosine. It is presented results from gene dosage studies consistent with assignment of the PNP locus to band 14q13. PNP is expressed in most tissues, with markedly greater expression in lymphoid tissues. Genetic deficiencies of PNP result in severely compromised T?lymphocyte function and neurologic dysfunction.

UniProt: [P00491](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Ribonucleoside Biosynthetic Process](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

Application Notes: Optimal dilution of the Purine nucleoside phosphorylase antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL, Immunohistochemistry (FFPE): 1-2 µg/mL, Flow cytometry: 1-3 µg/10<sup>6</sup> cells

Restrictions: For Research Use only

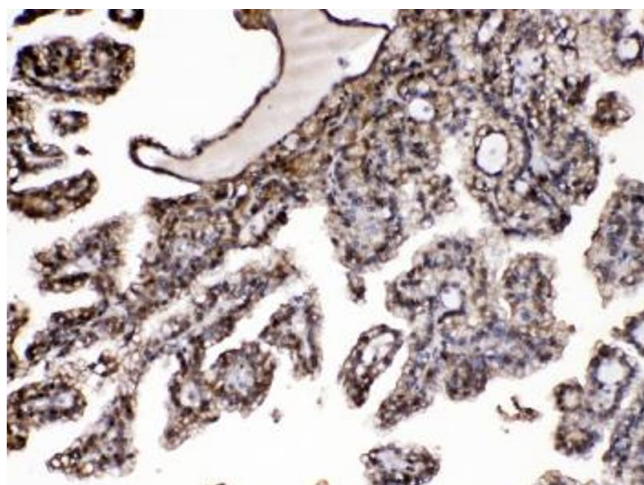
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

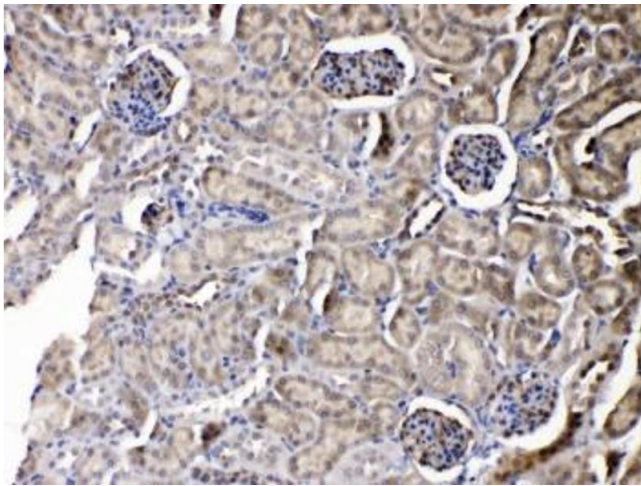
Storage Comment: After reconstitution, the Purine nucleoside phosphorylase antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



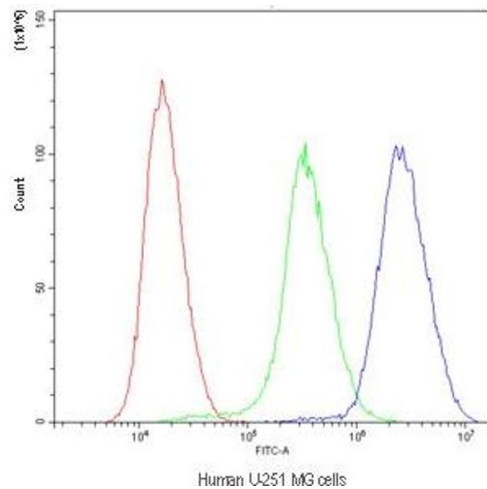
### Immunohistochemistry

**Image 1.** IHC testing of FFPE human renal cancer tissue with Purine nucleoside phosphorylase antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



#### Immunohistochemistry

**Image 2.** IHC testing of FFPE mouse kidney tissue with Purine nucleoside phosphorylase antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



#### Flow Cytometry

**Image 3.** Flow cytometry testing of human U-251 MG cells with Purine Nucleoside Phosphorylase antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5647213.