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PNP Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20740c

Specification

PNP Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P00491
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**32118**

PNP Antibody (Center) - Additional Information

Gene ID 4860

Other Names
Purine nucleoside phosphorylase, PNP, Inosine phosphorylase, Inosine-guanosine phosphorylase, PNP, NP

Target/Specificity
This PNP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 145-178 amino acids from the Central region of human PNP.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PNP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PNP Antibody (Center) - Protein Information

Name PNP

Synonyms NP

Function Catalyzes the phosphorolytic breakdown of the N-glycosidic bond in the

beta-(deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate (PubMed:9305964, PubMed:23438750). Preferentially acts on 6-oxopurine nucleosides including inosine and guanosine (PubMed:9305964).

Cellular Location
Cytoplasm.

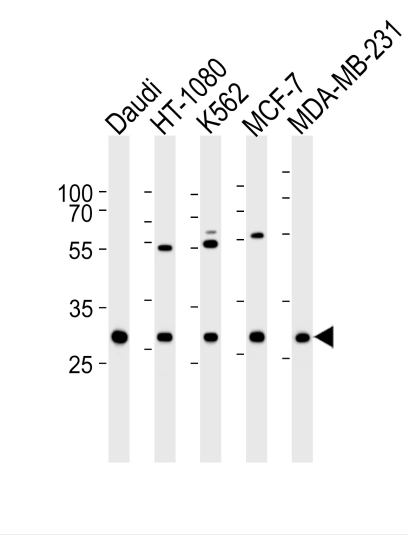
Tissue Location
Expressed in red blood cells; overexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.

PNP Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PNP Antibody (Center) - Images



Western blot analysis of lysates from Daudi, HT-1080, K562, MCF-7, MDA-MB-231 cell line (from left to right), using PNP Antibody (Center)(Cat. #AP20740c). AP20740c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

PNP Antibody (Center) - Background

The purine nucleoside phosphorylases catalyze the phosphorolytic breakdown of the N-glycosidic bond in the beta- (deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate.

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PNP Antibody (Center) - References

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Yu L.,et al.Environ. Health Perspect. 111:1421-1427(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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