

PNP (aa142-153) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3948a

Specification

PNP (aa142-153) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P00491
Other Accession	NP_000261.2 , 4860
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	32118

PNP (aa142-153) Antibody (internal region) - Additional Information

Gene ID 4860

Other Names

Purine nucleoside phosphorylase, PNP, 2.4.2.1, Inosine phosphorylase, Inosine-guanosine phosphorylase, PNP, NP

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PNP (aa142-153) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PNP (aa142-153) Antibody (internal region) - 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:23438750, PubMed:<a href="http://www.uniprot.org/citations/9305964"

target="_blank">9305964). Preferentially acts on 6-oxopurine nucleosides including inosine and guanosine (PubMed:9305964).

Cellular Location

Cytoplasm.

Tissue Location

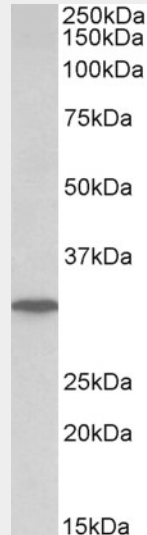
Expressed in red blood cells; overexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.

PNP (aa142-153) Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PNP (aa142-153) Antibody (internal region) - Images



AF3948a (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PNP (aa142-153) Antibody (internal region) - References

Metabolites of purine nucleoside phosphorylase (NP) in serum have the potential to delineate pancreatic adenocarcinoma. Vareed SK, et al. PLoS One. 2011 Mar 23;6(3):e171177. PMID: 21448452