Recombinant Purine nucleoside phosphorylase/PNP Monoclonal Antibody

catalog number: AN300415P

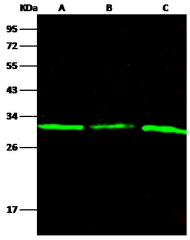
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Purine nucleoside phosphorylase/PNP protein
Host	Rabbit
Isotype	IgG
Clone	5D14
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	1-4 μL/mg of lysate

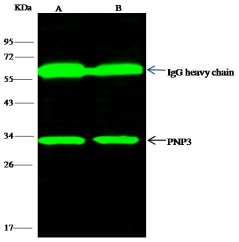
Data



Western Blot with PNP3 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: Jurkat Whole Cell Lysate, Lane B: K562 Whole Cell Lysate, Lane C: 293T Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:32 kDa

Calculated-MW:32 kDa



Immunoprecipitation analysis using 2 μL anti-PNP-3 Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using PNP-3 Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg Jurkat Whole Cell Lysate, Lane B:0.5 mg K562 Whole Cell Lysate

Observed-MW:32 kDa

Calculated-MW:32 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com