

ARG55593
anti-PNP / Purine nucleoside phosphorylase antibody

Package: 100 µl

Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PNP / Purine nucleoside phosphorylase
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PNP / Purine nucleoside phosphorylase
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 145-178 of Human PNP / Purine nucleoside phosphorylase.
Conjugation	Un-conjugated
Alternate Names	EC 2.4.2.1; Purine nucleoside phosphorylase; Inosine-guanosine phosphorylase; PNP; PRO1837; Inosine phosphorylase; PUNP; NP

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Daudi	

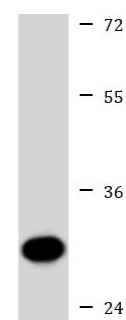
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 4860 Human Swiss-port # P00491 Human
Gene Symbol	PNP
Gene Full Name	purine nucleoside phosphorylase
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. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Research Area	Neuroscience antibody
Calculated Mw	32 kDa
Cellular Localization	Cytoplasm, cytoskeleton. Cytoplasm

Images



Daudi

ARG55593 anti-PNP / Purine nucleoside phosphorylase antibody WB image

Western blot: 35 µg of Daudi cell lysate stained with ARG55593 anti-PNP / Purine nucleoside phosphorylase antibody at 1:1000 dilution.