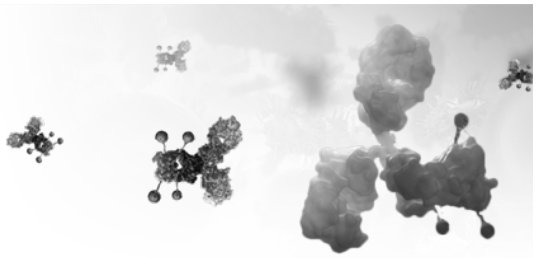

Anti-PNP (aa 174-283) polyclonal antibody (DPAB-DC2046)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	NP (NP_000261, 174 a.a. ~ 283 a.a) partial recombinant protein with GST tag. The sequence is ALSTWKQMGEQRELQEGTYVMVAGPSFETVAECRVLQKLGADAVGMSTVPEVIVARHCGL RVFGFSLITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILMASIP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	PNP purine nucleoside phosphorylase [Homo sapiens (human)]
Official Symbol	PNP
Synonyms	PNP; purine nucleoside phosphorylase; NP; PUNP; PRO1837; HEL-S-156an; inosine phosphorylase; inosine-guanosine phosphorylase; epididymis secretory sperm binding protein Li 156an; purine-nucleoside:orthophosphate ribosyltransferase;
Entrez Gene ID	4860
Protein Refseq	NP_000261
UniProt ID	P00491
Chromosome Location	14q13.1
Pathway	Metabolism; Nicotinate and nicotinamide metabolism; Purine catabolism; Purine metabolism
Function	drug binding; nucleoside binding; phosphate ion binding; purine nucleobase binding

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