

Product datasheet for **AP13621PU-N**

PRPS1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human PRPS1/2/3.
Specificity:	This antibody reacts to PRPS1/PRPS2/PRPS3.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphoribosyl pyrophosphate synthetase 1
Database Link:	Entrez Gene 5631 Human P60891



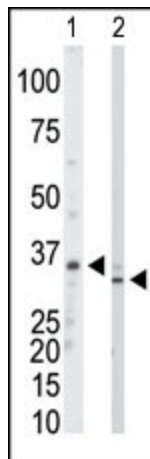
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Background:

Phosphoribosylpyrophosphate synthetase (PRPS; EC 2.7.6.1) catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for the de novo and salvage pathways of purine, pyrimidine, and pyridine biosynthesis. By PCR of human lymphoblast mRNA using primers based on the cDNA sequence of rat PRS I (Prps1), Roessler et al. (1990) isolated a partial human PRPS1 cDNA. They used this partial cDNA to screen lymphoblast cDNA libraries and isolated additional cDNAs corresponding to the entire PRPS1 coding region. The deduced PRPS1 protein has 318 amino acids.

Synonyms:

Ribose-phosphate pyrophosphokinase I, Phosphoribosyl pyrophosphate synthetase I, PRS-I, PPRibP

Product images:

The anti-PRPS1/2/3 Pab is used in Western blot to detect PRPS1/2/3 in mouse kidney tissue lysate (Lane 1) and Hela cell lysate (Lane 2).