# Anti-PRPS1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104838

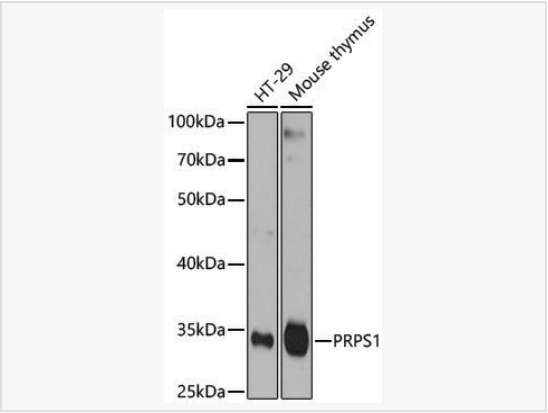
## Product Information

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| Application | WB, ELISA |
| Reactivity | Human, Mouse |
| Dilution | WB 1:500~1:2000 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic peptide corresponding to a sequence within amino acids 250-322 of human PRPS1 (NP_002755.1). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-PRPS1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| Synonyms | ARTS; DFN2; PRSI; CMTX5; DFNX1; PRS-I; PPRibP; PRPS1. |
| Calculated MW | Calculated MW: 35 kDa; Observed MW: 35 kDa |
| Uniprot ID | P60891 |
| Gene ID | 5631 |
| Background | This gene encodes an enzyme that catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. Defects in this gene are a cause of phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome. Two transcript variants encoding different isoforms have been found for this gene. |

## Validation Images




Western blot analysis of various lysates using PRPS1 Rabbit pAb (P104838) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates / proteins: 25 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 40s.