

**Anti-APRT Picoband Antibody**  
**Catalog # ABO10255****Specification**

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**Anti-APRT Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P07741</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Adenine phosphoribosyltransferase(APRT) detection. Tested with WB in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-APRT Picoband Antibody - Additional Information**

**Gene ID** 353

**Other Names**

Adenine phosphoribosyltransferase, APRT, 2.4.2.7, APRT

**Calculated MW**

19608 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Cytoplasm.

**Protein Name**

Adenine phosphoribosyltransferase

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human APRT (5-49aa ELQLVEQRIRSFDFPTPGVVFRDISPVLKDPASFRAAIGLLARH), different from the related mouse sequence by ten amino acids, and from the related rat sequence by nine amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

Storage

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

### Anti-APRT Picoband Antibody - Protein Information

**Name** APRT ([HGNC:626](#))

#### Function

Catalyzes a salvage reaction resulting in the formation of AMP, that is energetically less costly than de novo synthesis.

#### Cellular Location

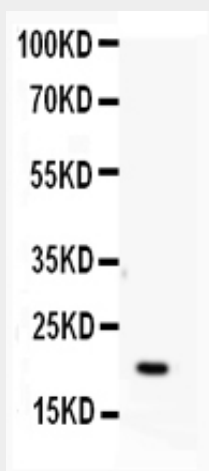
Cytoplasm.

### Anti-APRT Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-APRT Picoband Antibody - Images



Western blot analysis of APRT expression in K562 whole cell lysates (lane 1). APRT at 20KD was detected using rabbit anti- APRT Antigen Affinity purified polyclonal antibody (Catalog # ABO10255) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

**Anti-APRT Picoband Antibody - Background**

Adenine phosphoribosyltransferase (APRTase) is an enzyme encoded by the APRT gene, found in humans on chromosome 16. It belongs to the purine/pyrimidine phosphoribosyltransferase family. A conserved feature of this gene is the distribution of CpG dinucleotides. This enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP). It also produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in this enzyme causes 2,8-dihydroxyadenine urolithiasis. Two transcript variants encoding different isoforms have been found for this gene.