

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

Anti-APRT Picoband Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P07741 |
| 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

Subcellular Localization

Cytoplasm.

Protein Name

Adenine phosphoribosyltransferase

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

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

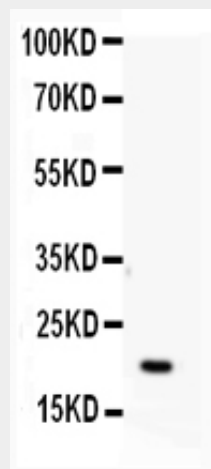
Cytoplasm.

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.