

Product datasheet for **TA344348**

APRT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-APRT antibody: synthetic peptide directed towards the N terminal of human APRT. Synthetic peptide located within the following region: ADSELQLVEQRIRSFDFPTPGVWFRDISPVLKDPASFRAAIGLLARHLK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20 kDa
Gene Name:	adenine phosphoribosyltransferase
Database Link:	NP_000476 Entrez Gene 353 Human P07741



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Background:

Adenine phosphoribosyltransferase (APRT) 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. Adenine phosphoribosyltransferase 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.

Synonyms:

AMP; APRTD

Note:

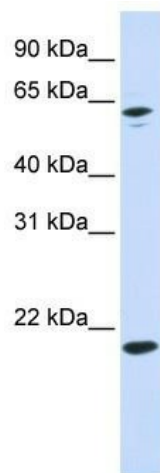
Immunogen Sequence Homology: Human: 100%; Pig: 86%; Guinea pig: 86%; Dog: 79%; Bovine: 79%; Rat: 77%

Protein Families:

Druggable Genome

Protein Pathways:

Metabolic pathways, Purine metabolism

Product images:

WB Suggested Anti-APRT Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: 293T cell lysate APRT is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells