

APRT rabbit monoclonal antibody

Catalog # H00000353-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human APRT peptide using ARM Technology.
Immunogen	A synthetic peptide of human APRT is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human APRT peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — APRT

Entrez GeneID	353
GeneBank Accession#	APRT
Gene Name	APRT
Gene Alias	AMP, DKFZp686D13177, MGC125856, MGC125857, MGC129961
Gene Description	adenine phosphoribosyltransferase
Omim ID	102600
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	AMP diphosphorylase AMP pyrophosphorylase adenine phosphoribosyltransferase, isoform a transphosphoribosidase

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)