

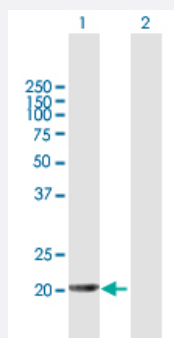
MaxPab®

# APRT purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000353-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of APRT expression in transfected 293T cell line ([H00000353-T01](#)) by APRT MaxPab polyclonal antibody.

Lane 1: APRT transfected lysate(19.8 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human APRT protein.
Immunogen	APRT (NP_000476.1, 1 a.a. ~ 180 a.a) full-length human protein.
Sequence	MADSELQLVEQIRSFDPFPTPGVVFRDISPVLKDPASFRAAIGLLARHLKATHGGRIDYAGLDSR GFLFGPSLAQELGLGCVLIRKRGKLPGPTLWASYSLEYGKAELEIQKDALEPGQRVVVVDDLLAT GGTMNAACELLGRLQAEVLECVSLVELTSLKGREKLAPVPFFSLLQYE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (87)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

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[Protocol Download](#)

## Gene Info — APRT

Entrez GeneID [353](#)

GeneBank Accession# [NM\\_000485.2](#)

Protein Accession# [NP\\_000476.1](#)

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](#)