



Anti-APRT monoclonal antibody (DCABH-10572)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
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Immunogen	A synthetic peptide of human APRT is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	APRT adenine phosphoribosyltransferase [Homo sapiens]
Official Symbol	APRT
Synonyms	APRT; adenine phosphoribosyltransferase; AMP diphosphorylase; AMP pyrophosphorylase; transphosphoribosidase; AMP; MGC125856; MGC125857; MGC129961; DKFZp686D13177;
Entrez Gene ID	353
Protein Refseq	NP_000476
UniProt ID	P07741
Chromosome Location	16q24
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Purine salvage, organism-specific biosystem;
Function	AMP binding; adenine binding; adenine phosphoribosyltransferase activity; transferase activity, transferring glycosyl groups;