

Rabbit APRT Polyclonal Antibody | anti-APRT antibody

APRT Antibody

CATALOG # AAA327051	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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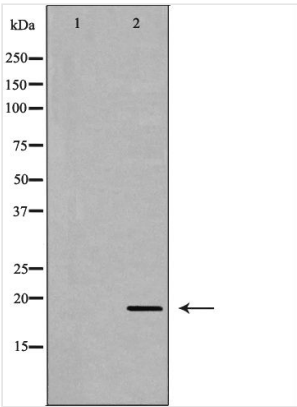
PRODUCT SYNONYMS

APRT; Polyclonal Antibody; APRT Antibody; Adenine phosphoribosyltransferase; AMP; AMP diphosphorylase; AMP pyrophosphorylase; APT_HUMAN; DKFZp686D13177; MGC125856; MGC125857; MGC129961; Transphosphoribosidase; anti-APRT antibody

PRODUCT SPECIFICATIONS

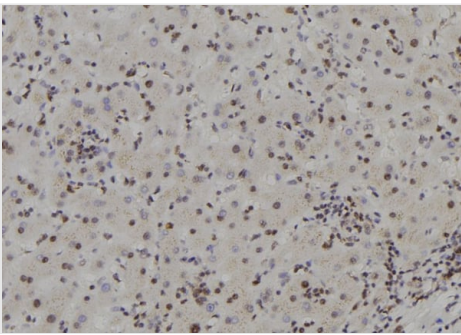
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	APRT antibody detects endogenous levels of total APRT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	180
Applicable Applications for anti-APRT antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human APRT
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (92%), Zebrafish (83%), Bovine (83%), Horse (92%), Sheep (92%), Dog (83%), Chicken (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using APRT Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327051 at 1/100 staining Human liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-APRT antibody

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. Function: Catalyzes a salvage reaction resulting in the formation of AMP, that is energetically less costly than de novo synthesis. Subunit Structure: Homodimer. Similarity: Belongs to the purine/pyrimidine phosphoribosyltransferase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502171
NCBI GeneID	353
NCBI Accession #	NP_000476.1
NCBI GenBank Nucleotide #	NM_000485.2
UniProt Accession #	P07741; Q3KP55; Q68DF9; G5E9J2
Molecular Weight	Observed: 19 kDa Predicted: 20 kDa
NCBI Official Full Name	adenine phosphoribosyltransferase isoform a
NCBI Official Synonym Full Names	adenine phosphoribosyltransferase
NCBI Official Symbol	APRT
NCBI Official Synonym Symbols	AMP; APRTD
NCBI Protein Information	adenine phosphoribosyltransferase
UniProt Protein Name	Adenine phosphoribosyltransferase
UniProt Gene Name	APRT
UniProt Synonym Gene Names	APRT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

