

Rabbit anti-Human, Mouse APRT Polyclonal Antibody | anti-APRT antibody

APRT Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279423	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

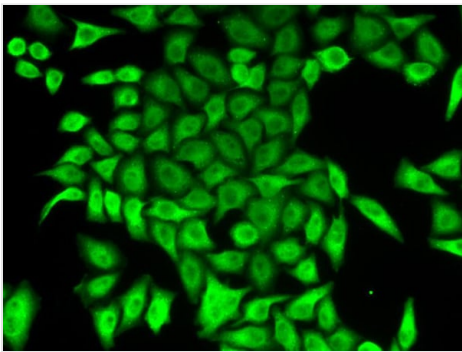
PRODUCT SYNONYMS

APRT; Polyclonal Antibody; APRT Polyclonal Antibody; AMP; APRTD; anti-APRT antibody

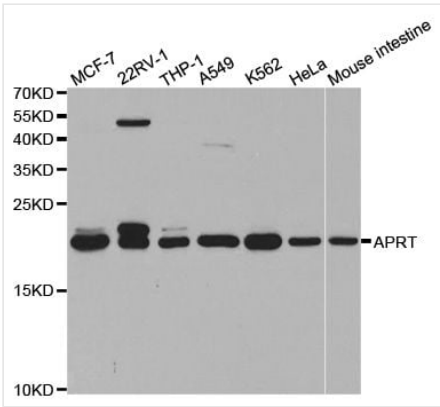
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	180
Applicable Applications for anti-APRT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human APRT
Calculated Molecular Weight	19kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells using APRT antibody.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using APRT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-APRT antibody	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.
Product Categories/Family for anti-APRT antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	114074
NCBI GeneID	353
UniProt Accession #	P07741; Q3KP55; Q68DF9; G5E9J2
Molecular Weight	180
NCBI Official Full Name	Adenine phosphoribosyltransferase
NCBI Official Synonym Full Names	adenine phosphoribosyltransferase
NCBI Official Symbol	APRT
NCBI Official Synonym Symbols	AMP; APRTD
NCBI Protein Information	adenine phosphoribosyltransferase; AMP diphosphorylase; AMP pyrophosphorylase; transphosphoribosidase
UniProt Protein Name	Adenine phosphoribosyltransferase
UniProt Gene Name	APRT
UniProt Synonym Gene Names	APRT
UniProt Entry Name	APT_HUMAN

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.