

APRT Antibody

Catalog No: #32859

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Description

Product Name	APRT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total APRT protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human APRT.
Target Name	APRT
Other Names	AMP; APRTD;
Accession No.	Swiss-Prot:P07741NCBI Gene ID:353
SDS-PAGE MW	19KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

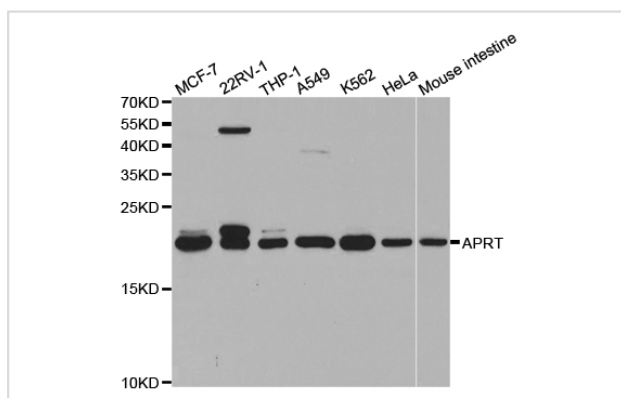
Application Details

Western blotting: 1:500 - 1:2000

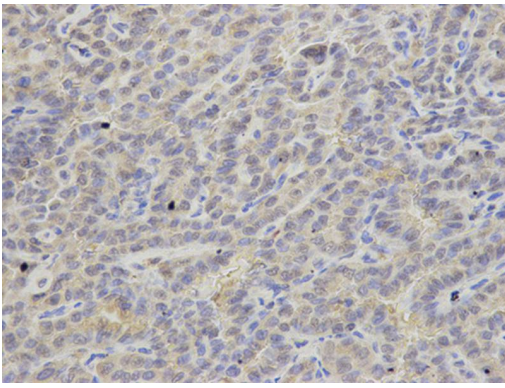
Immunohistochemistry: 1:50 - 1:200

Immunofluorescence: 1:50 - 1:200

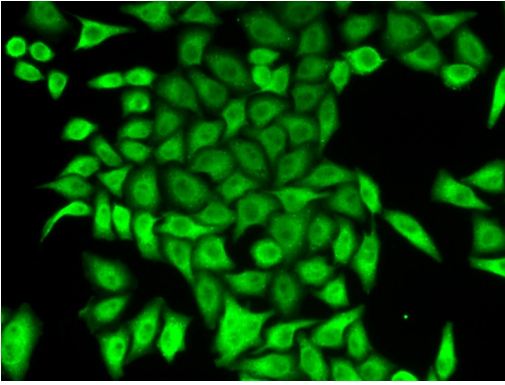
Images



Western blot analysis of extracts of various cell lines, using APRT antibody.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer using APRT antibody at dilution of 1:200 (400x lens).



Immunofluorescence analysis of A549 cell using APRT antibody.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.