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## anti-APRT antibody (N-Term)





Publication



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Overview	
Quantity:	400 μL
Target:	APRT
Binding Specificity:	AA 12-40, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APRT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)
Product Details	
Immunogen:	This APRT antibody is generated from rabbits immunized with a KLH conjugated synthetic

Immunogen:	This APRT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human APRT.
Clone:	RB20509
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### **Target Details**

Target:	APRT
Alternative Name:	APRT (APRT Products)

#### **Target Details**

Background:	A conserved feature of APRT 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.
Molecular Weight:	19608
Gene ID:	353
NCBI Accession:	NP_000476, NP_001025189
UniProt:	P07741
Pathways:	Ribonucleoside Biosynthetic Process

#### **Application Details**

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

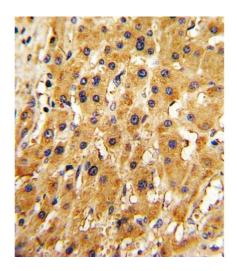
# Expiry Date: 6 months

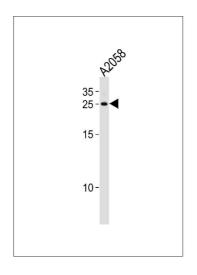
#### **Publications**

Product cited in:

Hedlund, Karlsson, Osborn, Ludwig, Isacson: "Global gene expression profiling of somatic motor neuron populations with different vulnerability identify molecules and pathways of degeneration and protection." in: **Brain : a journal of neurology**, Vol. 133, Issue Pt 8, pp. 2313-30, (2010) (PubMed).

#### **Images**





#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma with RT Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

#### **Immunofluorescence**

Image 2. Fluorescent image of A549 cell stained with RT Antibody (N-term) 2893a/SA091009AF. A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with RT primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C).RT immunoreactivity is localized to Cytoplasm and Nucleus significantly.

#### **Western Blotting**

**Image 3.** RT Antibody (N-term) 2893a western blot analysis in cell line lysates (35  $\mu$ g/lane). This demonstrates the RT antibody detected the RT protein (arrow).

Please check the product details page for more images. Overall 4 images are available for ABIN389426.