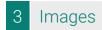
antibodies -online.com





anti-APRT antibody (C-Term)





Publication



Go to Product page

Overview	
Overview	
Quantity:	400 μL
Target:	APRT
Binding Specificity:	AA 143-170, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APRT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This APRT antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 143-170 amino acids from the C-terminal region of human APRT.
Clone:	RB20510
Isotype:	lg 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)
Background:	A conserved feature of APRT is the distribution of CpG dinucleotides. This enzyme catalyzes

Target Details

	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

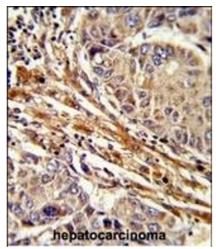
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

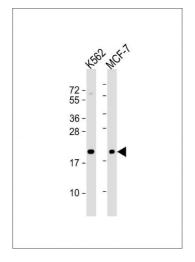
Handling

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: Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 138, (2014) (PubMed).





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with RT Antibody (C-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.

Western Blotting

Image 2. RT Antibody (C-term) 2893b western blot analysis in MCF-7 cell line and rat kidney tissue lysates (35 μ g/lane). This demonstrates the RT antibody detected the RT protein (arrow).

Western Blotting

Image 3. All lanes: Anti-RT Antibody (C-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 20 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.