

Datasheet for ABIN360679

anti-Adenylate Kinase 1 antibody (C-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	Adenylate Kinase 1 (AK1)
Binding Specificity:	C-Term
Reactivity:	Human, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human AK1.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to AK1.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	Adenylate Kinase 1 (AK1)
Abstract:	AK1 Products

Target Details

Background:	Adenylate kinase is an enzyme involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate group among adinine nucleotides. Three isozymes of adenylate kinase have been identified in vertebrates, adenylate isozyme 1 (AK1), 2 (AK2) and 3 (AK3). AK1 is found in the cytosol of skeletal muscle, brain and erythrocytes, whereas AK2 and AK3 are found in the mitochondria of other tissues including liver and heart. AK1 was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme.Synonyms: ATP-AMP transphosphorylase 1, Myokinase
Gene ID:	203, 9606
UniProt:	P00568
Pathways:	Nucleotide Phosphorylation , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

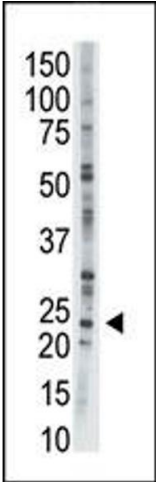


Image 1.

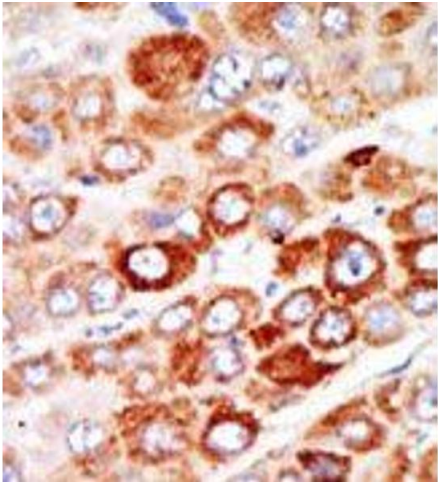


Image 2.