antibodies -online.com





anti-Adenylate Kinase 2 antibody (AA 161-239)





Overview

Overview	
Quantity:	100 μg
Target:	Adenylate Kinase 2 (AK2)
Binding Specificity:	AA 161-239
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Adenylate kinase 2, mitochondrial(AK2) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	E. coli-derived human AK2 recombinant protein (Position: E161-I239). Human AK2 shares 93.7% and 93% amino acid (aa) sequence identity with mouse and rat AK2, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Adenylate kinase 2, mitochondrial(AK2) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: adenylate kinase 2 Protein Name: Adenylate kinase 2, mitochondrial
Purification:	Immunogen affinity purified.

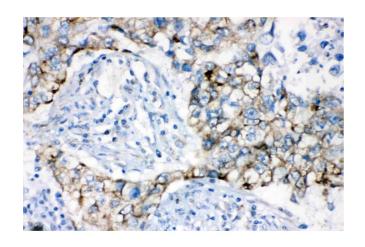
Target Details

Target:	Adenylate Kinase 2 (AK2)
Alternative Name:	AK2 (AK2 Products)
Background:	Adenylate kinase 2 is an enzyme is encoded in humans by the AK2 gene. The AK2 protein is
	found in the intermembrane space of the mitochondrion. Adenylate kinases are involved in
	regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer
	of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely
	1, 2, and 3, have been identified in vertebrates, this gene encodes isozyme 2. Expression of
	these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the
	mitochondrial intermembrane space and may play a role in apoptosis. Mutations in this gene
	are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants.
	Pseudogenes of this gene are found on chromosomes 1 and 2.
	Synonyms: Adenylate kinase 2 ADK2 AK 2 ak2 P54819
Gene ID:	204
UniProt:	P54819
Pathways:	Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Restrictions: Handling	For Research Use only
	For Research Use only Lyophilized
Handling	

Handling

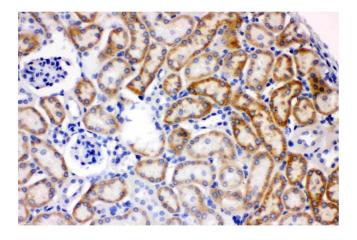
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



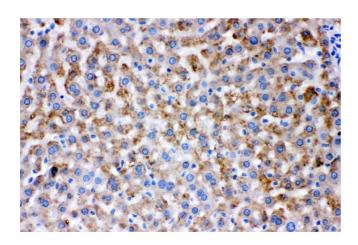
Immunohistochemistry

Image 1. AK2 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- AK2 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 μ g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. AK2 was detected in paraffin-embedded sections of mouse kidney tissues using rabbit anti- AK2 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 μ g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. AK2 was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- AK2 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the product details page for more images. Overall 4 images are available for ABIN4886446.