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Datasheet for ABIN2855027

## anti-ADK antibody

### 6 Images

#### Overview

Quantity:	100 µL
Target:	ADK
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Adenosine kinase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Adenosine kinase (adenosine kinase) Adenosine kinase antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

#### Target Details

Target:	ADK
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## Target Details

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Alternative Name:	<a href="#">adenosine kinase (ADK Products)</a>
Background:	<p>This gene encodes adenosine kinase, an abundant enzyme in mammalian tissues. The enzyme catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme could play an important pharmacological role in increasing intravascular adenosine concentrations and acting as anti-inflammatory agents. Alternative splicing results in two transcript variants encoding different isoforms. Both isoforms of the enzyme phosphorylate adenosine with identical kinetics and both require Mg<sup>2+</sup> for activity.</p>
Molecular Weight:	41 kDa
Gene ID:	132
UniProt:	<a href="#">P55263</a>
Pathways:	<a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

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Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse liver , rat liver Validation: KO/KD
Restrictions:	For Research Use only

## Handling

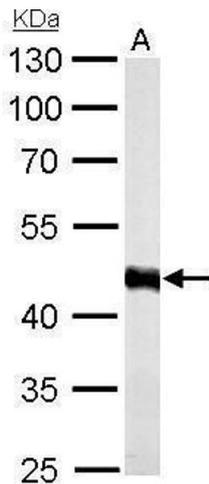
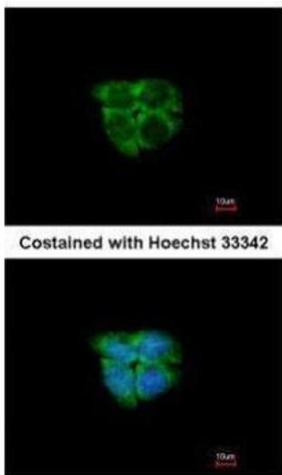
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Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

## Handling

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Validation report #104252 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)

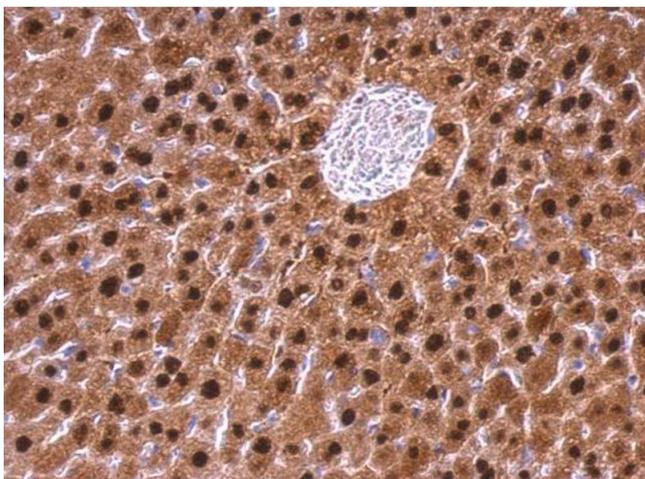


### Immunofluorescence

**Image 1.** ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using Adenosine kinase antibody at 1:200 dilution.

### Western Blotting

**Image 2.** WB Image Adenosine kinase antibody detects ADK protein by Western blot analysis. A. 50 µg mouse liver lysate/extract 10 % SDS-PAGE Adenosine kinase antibody , dilution: 1:1000



### Immunohistochemistry

**Image 3.** IHC-P Image Adenosine kinase antibody detects Adenosine kinase protein at nucleus on mouse liver by immunohistochemical analysis. Sample: Paraffin-embedded mouse liver. Adenosine kinase antibody , dilution: 1:500.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2855027.