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# anti-ADK antibody (C-Term)

Publication **Images** 



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Overview		
Quantity:	400 μL	
Target:	ADK	
Binding Specificity:	AA 322-352, C-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ADK antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	This ADK antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 322-352 amino acids from the C-terminal region of human ADK.	
Clone:	RB05395	
Isotype:	lg Fraction	
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by	
	dialysis against PBS.	
Target Details		
Target:	ADK	
Alternative Name:	ADK (ADK Products)	

### **Target Details**

Background:
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Adenosine kinase is 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 Mg2+ for activity.

Molecular Weight:

40545 132

NCBI Accession:

NP\_001114, NP\_001189378, NP\_001189379, NP\_006712

UniProt:

Gene ID:

P55263

Pathways:

Ribonucleoside Biosynthetic Process

#### **Application Details**

Application Notes:

WB: 1:1000. IHC-P: 1:10~50

Restrictions:

For Research Use only

### Handling

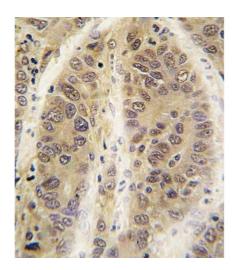
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	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:

Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) (PubMed).

#### **Images**



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

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ADK antibody (C-term) (ABIN391132 and ABIN2841255), 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.

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#### **Western Blotting**

**Image 2.** Western blot analysis of anti-ADK Pab (ABIN391132 and ABIN2841255) in mouse liver tissue lysate (35  $\mu$ g/lane). ADK(arrow) was detected using the purified Pab.