

Rabbit anti-Human ADK Polyclonal Antibody | anti-ADK antibody

ADK Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284478	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

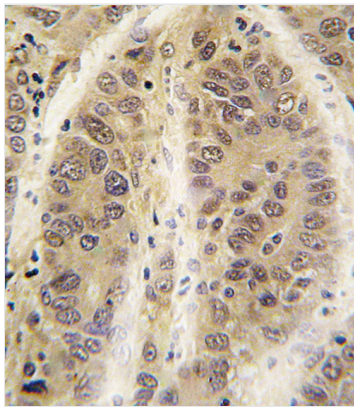
PRODUCT SYNONYMS

ADK; Polyclonal Antibody; ADK Antibody (C-term); Adenosine kinase; AK; Adenosine 5'-phosphotransferase; anti-ADK antibody

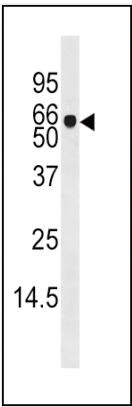
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	322-352
Sequence Length	327
Applicable Applications for anti-ADK antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ADK 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.



WB (Western Blot)
Western blot analysis of anti-ADK Pab in mouse liver tissue lysate (35ug/lane). ADK(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ADK antibody	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.
Product Categories/Family for anti-ADK antibody	Cancer; Metabolism; Signal Transduction
References	Szkotak, A.J., et al., J. Membr. Biol. 192(3):169-179 (2003). Singh, B., et al., DNA Cell Biol. 20(1):53-65 (2001). Van Rompay, A.R., et al., Eur. J. Biochem. 261(2):509-517 (1999). Mathews, I.I., et al., Biochemistry 37(45):15607-15620 (1998). McNally, T., et al., Biochem. Biophys. Res. Commun. 231(3):645-650 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	32484973
NCBI GeneID	132
NCBI Accession #	NP_001114.2; NP_001189378.1; NP_001189379.1; NP_006712.2
NCBI GenBank Nucleotide #	NM_001123.3
UniProt Accession #	P55263; O00741; O00742; Q16710; Q5JQ10; Q5JQ11; Q9BTN2; B7Z783; B7Z800
Molecular Weight	40545
NCBI Official Full Name	adenosine kinase isoform a
NCBI Official Synonym Full Names	adenosine kinase
NCBI Official Symbol	ADK
NCBI Official Synonym Symbols	AK
NCBI Protein Information	adenosine kinase
UniProt Protein Name	Adenosine kinase
UniProt Gene Name	ADK

UniProt Synonym Gene Names	AK
UniProt Entry Name	ADK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adk-antibody-immunohistochemistry-western-blot-elisa/284478>