

Mouse anti-Human ADK Monoclonal Antibody | anti-ADK antibody

ADK Antibody (N-term)

CATALOG # AAA290844	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

ADK; Monoclonal Antibody; ADK Antibody (N-term); Adenosine kinase; AK; 2.7.1.20; Adenosine 5'-phosphotransferase; anti-ADK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1103CT3.4.3
Specificity	This ADK antibody is generated from a mouse immunized with a recombinant protein between 1-345 amino acids from human ADK.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	345
Applicable Applications for anti-ADK antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Cellular Location	Isoform 1: Nucleus
Tissue Location	Widely expressed. Highest level in placenta, liver, muscle and kidney
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

AAA290844 staining ADK in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



WB (Western Blot)

All lanes : Anti-ADK Antibody (N-term) at 1:4000 dilution
Lane 1: HepG2 whole cell lysate
Lane 2: HL-60 whole cell lysate
Lane 3: Human liver lysate
Lysates/proteins at 20 ug per lane.
Secondary: Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 45 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ADK antibody	ATP dependent phosphorylation of adenosine and other related nucleoside analogs to monophosphate derivatives. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenine nucleotides.
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Product Categories/Family for anti-ADK antibody	Crown Antibodies; Primary Antibodies; Cancer; Metabolism; Signal Transduction
References	Spychala J.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:1232-1237 (1996). Singh B.,et al.Eur. J. Biochem. 241:564-571 (1996). McNally T.,et al.Biochem. Biophys. Res. Commun. 231:645-650 (1997). Ota T.,et al.Nat. Genet. 36:40-45 (2004). Deloukas P.,et al.Nature 429:375-381 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	32484973
NCBI GeneID	132
NCBI Accession #	NP_001114.2
NCBI GenBank Nucleotide #	NM_001123.3
UniProt Accession #	P55263; O00741; O00742; Q16710; Q5JQ10; Q5JQ11; Q9BTN2; B7Z783; B7Z800
Molecular Weight	40545 Da
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

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/monoclonal/adk-antibody-clone-1103ct3-4-3-immunohistochemistry-western-blot-elisa/290844>