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ADK Antibody (N-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8619b

Specification

ADK Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P55263
Reactivity	**Human**
Host	**Mouse**
Clonality	**monoclonal**
Isotype	**IgG1,k**
Calculated MW	**40545**

ADK Antibody (N-term) - Additional Information

Gene ID 132

Other Names
Adenosine kinase, AK, 2.7.1.20, Adenosine 5'-phosphotransferase, ADK

Target/Specificity
This ADK antibody is generated from a mouse immunized with a recombinant protein between 1-345 amino acids from human ADK.

Dilution
WB~~1:4000
IHC-P~~1:25

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ADK Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ADK Antibody (N-term) - Protein Information

Name ADK (HGNC:257)

Function Catalyzes the phosphorylation of the purine nucleoside adenosine at the 5' position in an ATP-dependent manner. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenine nucleotides.

Cellular Location
[Isoform 1]: Nucleus

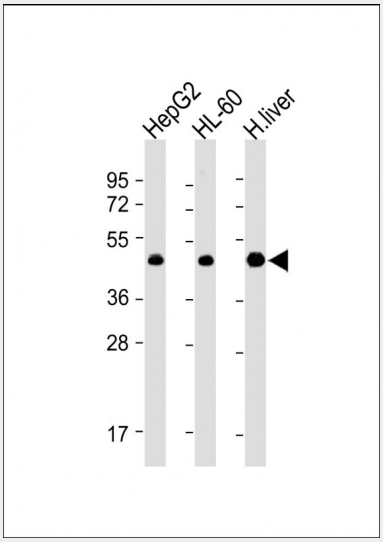
Tissue Location
Widely expressed. Highest level in placenta, liver, muscle and kidney.

ADK Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

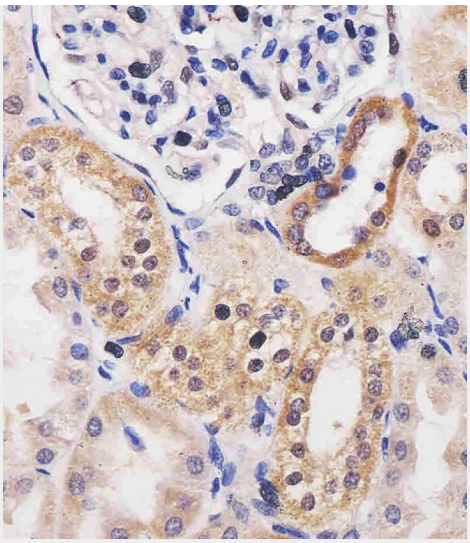
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADK Antibody (N-term) - Images



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 µg 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.

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AM8619b 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 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

ADK Antibody (N-term) - Background

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.

ADK Antibody (N-term) - References

Spychala J.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:1232-1237(1996).
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McNally T.,et al.Biochem. Biophys. Res. Commun. 231:645-650(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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