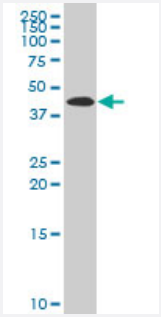
ADK polyclonal antibody (A01)

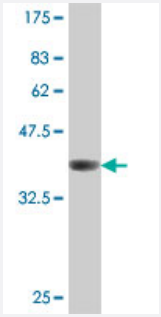
Catalog # H00000132-A01 Size 50 uL

Applications



Western Blot (Cell lysate)

ADK polyclonal antibody (A01), Lot # 051116JC01 Western Blot analysis of ADK expression in HL-60 (Cat # L014V1).



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ADK.
Immunogen	ADK (NP_001114, 236 a.a. ~ 345 a.a) partial recombinant protein with GST tag.
Sequence	FETKDIKEIAKKTQALPKMNSKRQRIVIFTQGRDDTIMATESEVTAFAVLDQDQKEIIDTNGAGDAFV GGFLSQLVSDKPLTECIRAGHYAASIIIRRTGCTFPEKPDFH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (87)

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  ADK polyclonal antibody (A01), Lot # 051116JC01 Western Blot analysis of ADK expression in HL-60 (Cat # L014V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ADK

Entrez GeneID	132
GeneBank Accession#	NM_001123
Protein Accession#	NP_001114
Gene Name	ADK
Gene Alias	AK
Gene Description	adenosine kinase
Omim ID	102750
Gene Ontology	Hyperlink

Gene Summary	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 Mg2+ for activity. [provided by RefSeq
Other Designations	OTTHUMP00000019864|OTTHUMP00000019865|adenosine 5'-phosphotransferase

Pathway

- Metabolic pathways
- Purine metabolism

Disease

- Alzheimer Disease
- Cardiovascular Diseases
- Depressive Disorder
- Diabetes Mellitus
- Edema
- Fatigue
- Genetic Predisposition to Disease
- Sleep Disorders
- Sleep Initiation and Maintenance Disorders
- Tobacco Use Disorder