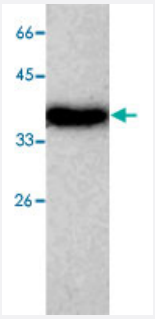
ADK monoclonal antibody, clone 7

Catalog # MAB9979 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HEK293 whole cell lystae with ADK monoclonal antibody, clone 7 (Cat # MAB9979) at 1:500 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant ADK.
Immunogen	Recombinant protein corresponding to amino acids 138-362 of human ADK.
Host	Mouse
Reactivity	Human
Specificity	It can expression in HepG3 whole cell lysate.
Form	Liquid
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In Citrate-Tris-HCl buffer, pH 7.0 (0.02% Proclin 300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  Western blot analysis of HEK293 whole cell lystae with ADK monoclonal antibody, clone 7 (Cat # MAB9979) at 1:500 dilution.

Gene Info — ADK

Entrez GeneID	132
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 c atalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regul ator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Aden osine has widespread effects on the cardiovascular, nervous, respiratory, and immune systems a nd inhibitors of the enzyme could play an important pharmacological role in increasing intravascul ar adenosine concentrations and acting as anti-inflammatory agents. Alternative splicing results in two transcript variants encoding different isoforms. Both isoforms of the enzyme phosphorylate ad enosine 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

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

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