

Human ADK Knockdown Cell Lysate

Cat. No. ADK-323HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ADK Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene an enzyme which 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. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	41 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ADK KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Purine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ADK adenosine kinase [Homo sapiens (human)]
Official Symbol	ADK
Synonyms	ADK; adenosine kinase; adenosine 5 phosphotransferase; AK; adenosine 5-phosphotransferase;
Gene ID	132
mRNA Refseq	NM_001123
Protein Refseq	NP_001114
MIM	102750
UniProt ID	P55263

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