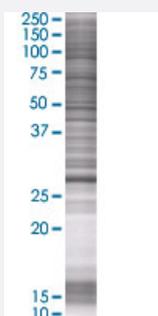


# AK2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000204-T01

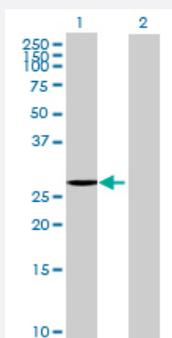
Size 100 uL

## Applications



### SDS-PAGE Gel

AK2 transfected lysate.



### Western Blot

Lane 1: AK2 transfected lysate ( 26.4 KDa)

Lane 2: Non-transfected lysate.

## Specification

<b>Transfected Cell Line</b>	293T
<b>Plasmid</b>	pCMV-AK2 full-length
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	26.4
<b>Interspecies Antigen Sequence</b>	Mouse (95); Rat (94)

<b>Quality Control Testing</b>	Transient overexpression cell lysate was tested with Anti-AK2 antibody ( <a href="#">H00000204-B01</a> ) by Western Blots. SDS-PAGE Gel AK2 transfected lysate. Western Blot Lane 1: AK2 transfected lysate ( 26.4 KDa) Lane 2: Non-transfected lysate.
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<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
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<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
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## Applications

- Western Blot

## Gene Info — AK2

<b>Entrez GeneID</b>	<a href="#">204</a>
<b>GeneBank Accession#</b>	<a href="#">NM_001625.2</a>
<b>Protein Accession#</b>	<a href="#">NP_001616.1</a>
<b>Gene Name</b>	AK2
<b>Gene Alias</b>	ADK2
<b>Gene Description</b>	adenylate kinase 2
<b>Omim ID</b>	<a href="#">103020</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]
<b>Other Designations</b>	ATP-AMP transphosphorylase OTTHUMP00000004287 OTTHUMP00000004288 adenylate kinase isoenzyme 2, mitochondrial adenylate kinase, mitochondrial

## Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)