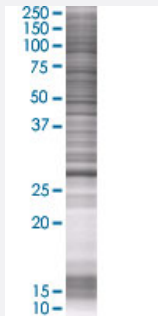


AK2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000204-T01

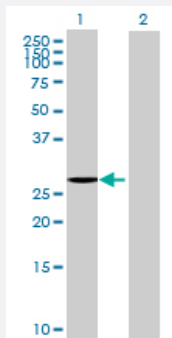
Size 100 uL

Applications



SDS-PAGE Gel

AK2 transfected lysate.



Western Blot

Lane 1: AK2 transfected lysate (26.4 KDa)

Lane 2: Non-transfected lysate.

Specification

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

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AK2 antibody ([H00000204-B01](#)) by Western Blots.
SDS-PAGE Gel
AK2 transfected lysate.
Western Blot
Lane 1: AK2 transfected lysate (26.4 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AK2

Entrez GeneID[204](#)**GeneBank Accession#**[NM_001625.2](#)**Protein Accession#**[NP_001616.1](#)**Gene Name**

AK2

Gene Alias

ADK2

Gene Description

adenylate kinase 2

Omim ID[103020](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

ATP-AMP transphosphorylase|OTTHUMP00000004287|OTTHUMP00000004288|adenylate kinase isoenzyme 2, mitochondrial|adenylate kinase, mitochondrial

Pathway

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