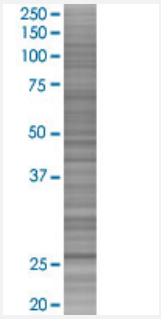
AK3L1 293T Cell Transient Overexpression Lysate(Denatured)

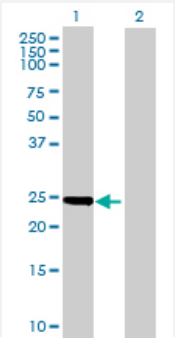
Catalog # H00000205-T02 Size 100 uL

Applications



SDS-PAGE Gel

transfected lysate.



Western Blot

Lane 1: transfected lysate (25.30 KDa)
Lane 2: Non-transfected lysate.

Specification

Product Description	
Transfected Cell Line	293T
Plasmid	pCMV-AK3L2 full-length
Host	Human
Theoretical MW (kDa)	25.3
Interspecies Antigen Sequence	Mouse (90); Rat (89)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-AK3L2 antibody (H00000205-B02) by Western Blots. SDS-PAGE Gel transfected lysate. Western Blot Lane 1: transfected lysate (25.30 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 — AK3L1

Entrez GeneID	205
GeneBank Accession#	NM_001002921
Protein Accession#	NP_001002921
Gene Name	AK3L1
Gene Alias	AK3, AK4, MGC166959
Gene Description	adenylate kinase 3-like 1
Omim ID	103030
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. A pseudogene for this gene has been located on chromosome 17. Three transcript variants encoding the same protein have been identified for this gene. Sequence alignment suggests that the gene defined by NM_013410, NM_203464, and NM_001005353 is located on chromosome 1. [provided by RefSeq
Other Designations	ATP-AMP transphosphorylase|GTP:AMP phosphotransferase|OTTHUMP00000010594|mitochondrial adenylate kinase-3|nucleoside-triphosphate-adenylate kinase

Pathway

- Metabolic pathways
- Purine metabolism

Disease

- Tobacco Use Disorder