

AK3L1 mouse monoclonal antibody (hybridoma)

Catalog # H00000205-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant AK3L1.
Immunogen	AK3L1 (NP_001002921.1, 1 a.a. ~ 223 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASKLLRAVILGPPGSGKGTVCQRIQNFGFLQHLSSGHFLRENIKASTEVGEMAKQYIEKSLVDPD HVITRLMMSELENRRGQHWLLDGFPRTLGGAEALDKICEVDLVISLNIPFETLKDRLSRRWIHPPSG RVYNLDFNPPHVHGIDDTVGEPLVQQEDDKPEAVAARLRQYKDVAKPVIELYKSRGVLHQFSGTE TNKIWPYVYTLFSNKITPIQSKEAY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (89)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Western Blot (Recombinant protein)
[Protocol Download](#)
- ELISA

Gene Info — AK3L1

Entrez GeneID	205
GeneBank Accession#	NM_001002921.1
Protein Accession#	NP_001002921.1
Gene Name	AK3L1
Gene Alias	AK3, AK4, MGC166959
Gene Description	adenylate kinase 3-like 1
Omim ID	103030
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)