

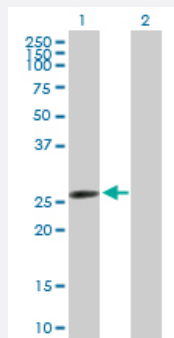
MaxPab®

AK2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000204-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AK2 expression in transfected 293T cell line ([H00000204-T01](#)) by AK2 MaxPab polyclonal antibody.

Lane1:AK2 transfected lysate(26.29 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human AK2 protein.
Immunogen	AK2 (NP_001616.1, 1 a.a. ~ 239 a.a) full-length human protein.
Sequence	MAPSVPAAEPEYPKGIRAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMLRAMVASGSELGKK LKATMDAGKLVSDVMVELIEKNLETPLCCKNGFLLDGFPRTVRQAEMLDLMEKRKEKLDVIEF SIPDSLLIRRTGRLIHPKSGRSYHEEFNPPKEPMKDDITGEPLIRRSDDNEKALKIRLQAYHTQTPLI EYRKRGIHSAIDASQTPDVVFASILAFAFSKATCKDLVMFI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (94)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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](#)