

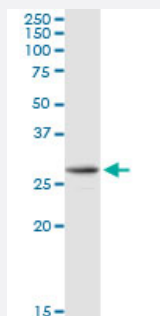
MaxPab®

AK2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000204-D01P

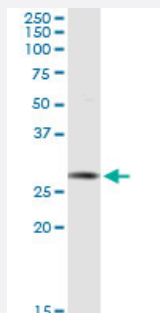
Size 100 ug

Applications



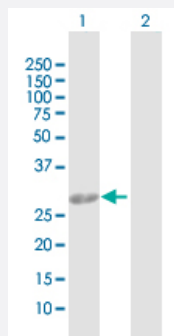
Western Blot (Tissue lysate)

AK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of AK2 expression in mouse kidney.



Western Blot (Tissue lysate)

AK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of AK2 expression in human kidney.



Western Blot (Transfected lysate)

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

Lane 1: AK2 transfected lysate(26.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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 SIPDSSLIRRTGRLIHPKSGRSYHEEFNPPKEPMKDDITGEPLIRRSDDNEKALKIRLQAYHTQTPLI EYRKRGIHSAIDASQTPDVVFASILAAFSKATCKDLVMFI
Host	Rabbit
Reactivity	Human, Mouse
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.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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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	<p>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]</p>
Other Designations	ATP-AMP transphosphorylase OTTHUMP00000004287 OTTHUMP00000004288 adenylate kinase isoenzyme 2, mitochondrial adenylate kinase, mitochondrial

Pathway

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