

DNAxPAb

Hard-to-Find
Antibody

AK2 DNAxPab

Catalog # H00000204-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AK2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAPSVPAAEPEYPKGIRAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMLRAMVASGSELGKK LKATMDAGKLVSDEMVELIEKNLETPLCCKNGFLLDGFPRTVRQAEMLLDLMEKRKEKLDSEVIEF SIPDSLLIRRTGRLIHPKSGRSYHEEFNPPKEPMKDDITGEPLIRRSDDNEKALKIRLQAYHTQTPLI EYYRKRGIHSAIDASQTPDVVFASILAASFATCKDLVMFI
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (94)
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)