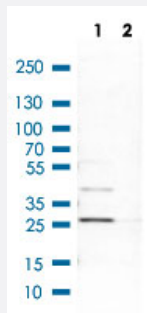


AK2 polyclonal antibody

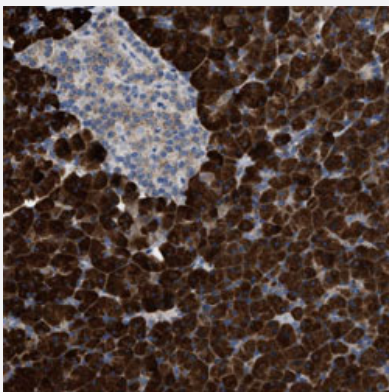
Catalog # PAB31606 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human AK2.
Immunogen	Recombinant protein corresponding to human AK2.
Sequence	LAENFCVCHLATGDMMLRAMVASGSELGKKLKATMDAGKLVSDVMVELIEKNLETPLCKNGFLL DGFPRTVRQAEMLDDLMEKRKEKLDVIEFSIPDSLLIRR
Host	Rabbit
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-500) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — AK2

Entrez GeneID	204
Protein Accession#	P54819
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](#)