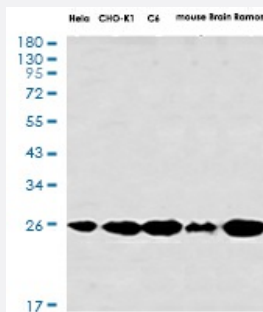


RecomAb™

AK2 recombinant monoclonal antibody, clone R07-4H8

Catalog # RAB01492 Size 100 uL

Applications



Western Blot

Western blot analysis of AK2 in HeLa, CHO-K1, C6, mouse Brain, Ramos lysates using AK2 antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AK2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human AK2.
Theoretical MW (kDa)	Calculated MW: 26 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage

Immunocytochemistry
Immunofluorescence
Immunohistochemistry (Frozen sections)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunoprecipitation
Western Blot
The optimal working dilution should be determined by the end user.

Storage Buffer

In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For longer storage, aliquot and 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

- Western Blot

Western blot analysis of AK2 in Hela, CHO-K1, C6, mouse Brain, Ramos lysates using AK2 antibody.

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

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

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](#)