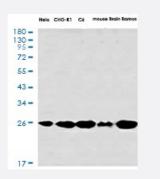


RecomAb™

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
lsotype	lgG



Product Information

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 shoul d 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 GenelD	204
Protein Accession#	<u>P54819</u>
Gene Name	AK2
Gene Alias	ADK2
Gene Description	adenylate kinase 2
Omim ID	<u>103020</u>

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Abnova	Product Information
Gene Ontology	Hyperlink
Gene Summary	Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by c atalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozyme s of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes i sozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozym e 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Two t ranscript variants encoding distinct isoforms have been identified for this gene. [provided by RefS eq
Other Designations	ATP-AMP transphosphorylase OTTHUMP00000004287 OTTHUMP00000004288 adenylate kina se isoenzyme 2, mitochondrial adenylate kinase, mitochondrial

Pathway

- Metabolic pathways
- Purine metabolism