

Product datasheet

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ARG54907 anti-AK2 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes AK2

Tested Reactivity Hu

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG
Target Name AK2

Antigen Species Human

Immunogen Recombinant protein of Human AK2 (NP_001186128.1)

Conjugation Un-conjugated

Alternate Names ADK2; Adenylate kinase 2, mitochondrial; ATP-AMP transphosphorylase 2; ATP:AMP

phosphotransferase; Adenylate monophosphate kinase; EC 2.7.4.3; AK 2

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Calculated Mw	26 kDa	

Properties

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links GenelD: 204 Human

Swiss-port # P54819 Human

Gene Symbol AK2

Gene Full Name adenylate kinase 2

Background 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. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes

of this gene are found on chromosomes 1 and 2.[provided by RefSeq, Nov 2010]

Function Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an

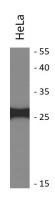
important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis

pathways. Plays a key role in hematopoiesis. [UniProt]

Research Area Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism

antibody; Signaling Transduction antibody

Images



ARG54907 anti-AK2 antibody WB image

Western blot: HeLa cell lysate stained with ARG54907 anti-AK2 antibody.