

AK2 Polyclonal Antibody

Catalog No.	A3723	Category	Polyclonal Antibodies
Applications	WB, IHC	Observed MW	26kDa
Cross-reactivity	Human, Mouse	Calculated MW	14kDa/21kDa/22kDa/24kDa/25kDa/26kDa

Immunogen Information

Immunogen	A synthetic peptide of human AK2
Gene ID	204
Swiss prot	P54819
Synonyms	AK2; ADK2; adenylate kinase 2

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, pH7.3.

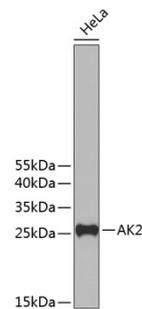
Background

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.

Recommended Dilutions

WB 1:500 -
1:2000

IHC 1:50 -
1:200



Western blot - AK2 Polyclonal Antibody (A3723)