Product Datasheet

AK2 antibody

Catalog No: #38973

Package Size: #38973-1 50ul #38973-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

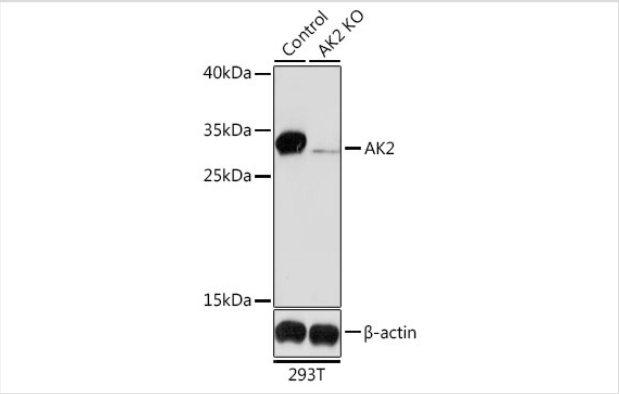
Description

Product Name	AK2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total AK2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human AK2.
Target Name	AK2
Other Names	ADK2; AK 2;
Accession No.	Swiss-Prot#: P54819NCBI Gene ID: 204
Uniprot	P54819
GeneID	204;
SDS-PAGE MW	26kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

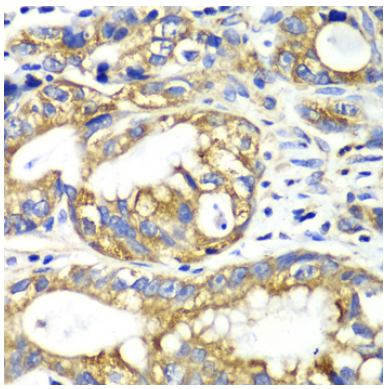
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

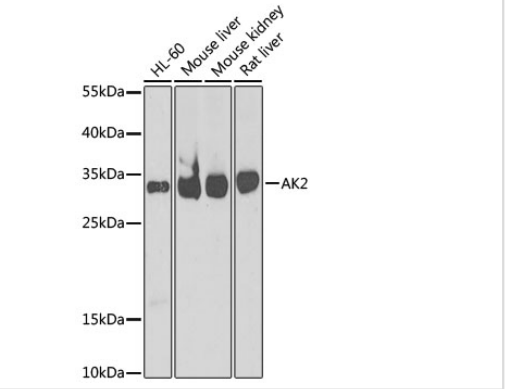
Images



Western blot analysis of extracts from normal (control) and AK2 knockout (KO) 293T cells, using AK2 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human gastric cancer using AK2 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using AK2 at 1:1000 dilution.

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.

Note: This product is for in vitro research use only