AK2 Antibody

Catalog No: #36210

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

Description

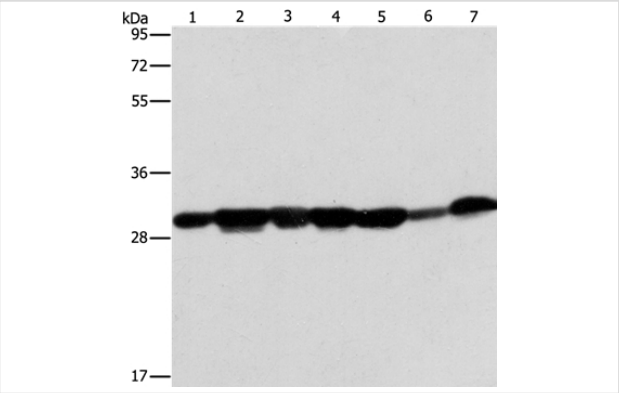
Product Name	AK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total AK2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human adenylate kinase 2
Target Name	AK2
Other Names	ADK2; AK 2
Accession No.	Swiss-Prot#: P54819NCBI Gene ID: 204Gene Accssion: BC009405
Uniprot	P54819
GeneID	204;
SDS-PAGE MW	26kd
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

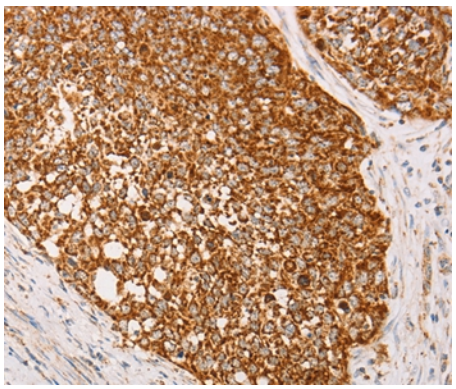
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE
Lysates (from left to right): Human placenta tissue and A549 cell, mouse brain tissue and hepG2 cell, Raji cell and human fetal liver tissue, hela cell
Amount of lysate: 40ug per lane
Primary antibody: 1/300 dilution
Secondary antibody dilution: 1/8000
Exposure time: 20 seconds



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #36210 at dilution 1/40.

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