Product Datasheet

AK2 Antibody

Catalog No: #36210

Package Size: #36210-1 50ul #36210-2 100ul

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

Description

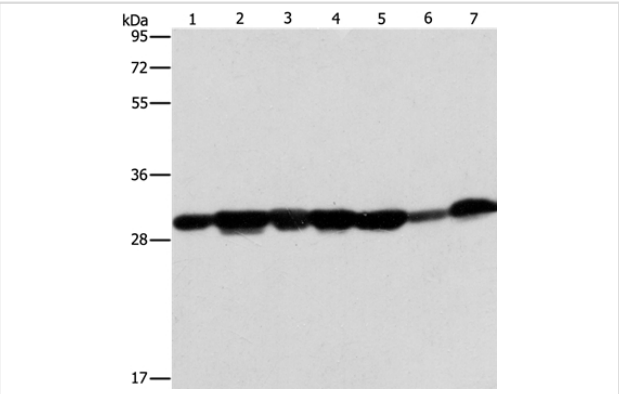
Product Name	AK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total AK2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human adenylate kinase 2
Conjugates	Unconjugated
Target Name	AK2
Other Names	ADK2; AK 2
Accession No.	Swiss-Prot#: P54819NCBI Gene ID: 204Gene Accssion: BC009405
SDS-PAGE MW	26kd
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Storage	Store at -20°C

Application Details

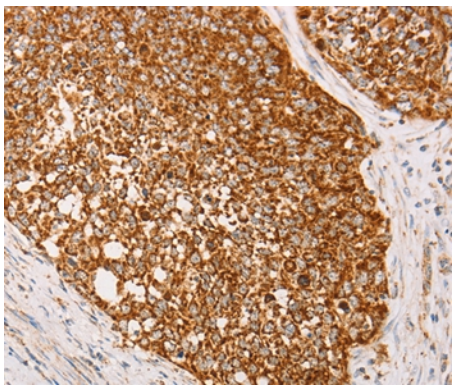
Western blotting: 1:500-1:2000

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.

Published Papers

el at., Effects of the Nonsteroidal Anti-inflammatory Drug Celecoxib on Mitochondrial Function.In Biol Pharm Bull. On 2018 by Tatematsu Y, Fujita H et al..PMID:29491208, , (2018)

PMID:29491208

Note: This product is for in vitro research use only and is not intended for use in humans or animals.