
Product Name: KD-Validated ADK Mouse Monoclonal Antibody**Catalog #: KVA01922**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 40.5kDa

Antigen Information

Gene Name	ADK
Alternative Names	ADK; Adenosine Kinase; AK; Adenosine 5'-Phosphotransferase; EC 2.7.1.20; Testicular Tissue Protein Li 14; EC 2.7.1
Gene ID	132.0
SwissProt ID	P55263
Immunogen	Recombinant protein of human ADK

Background

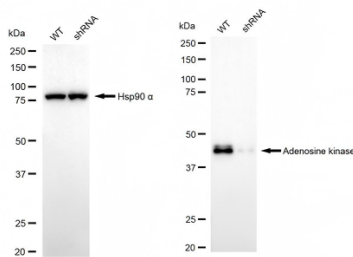
This gene encodes an enzyme which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme could play an important

pharmacological role in increasing intravascular adenosine concentrations and acting as anti-inflammatory agents. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

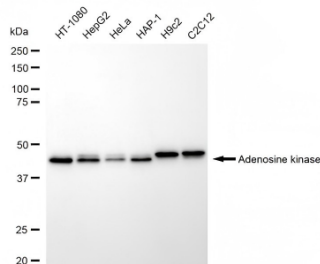
Research Area

Cancer, Metabolism, Signal Transduction

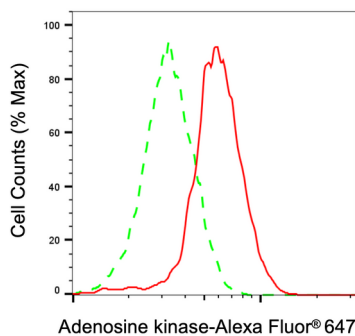
Image Data



Western blotting analysis using adenosine kinase antibody (KVA01922). Adenosine kinase expression in wild-type (WT) and adenosine kinase (ADK) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with adenosine kinase antibody (KVA01922, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using adenosine kinase antibody (KVA01922). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with adenosine kinase antibody (KVA01922, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of adenosine kinase expression in HT-1080 cells using adenosine kinase antibody (KVA01922, 1:2,000). Green, isotype control; red, Adenosine kinase.