
Product Name: KD-Validated ADK Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00211**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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; ICC 1:100-1:1,000
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	A synthesized peptide derived from human ADK

Background

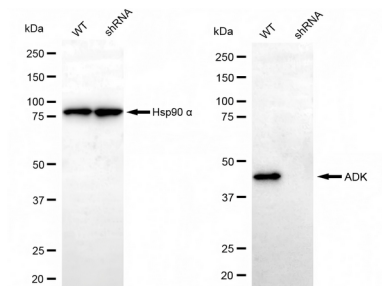
This gene an enzyme which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, and immune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

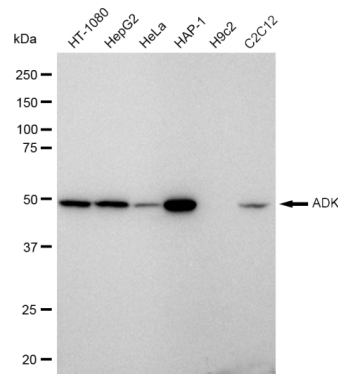
Research Area

Signal Transduction, Cancer, Metabolism

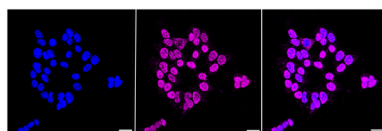
Image Data



Western blotting analysis using ADK antibody (KVA00211). ADK expression in wild type (WT) and ADK shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ADK antibody (KVA00211, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ADK antibody (KVA00211). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ADK antibody (KVA00211, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with ADK antibody (KVA00211, 1:1,000). Nuclei were stained blue with DAPI; ADK was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.