

ADK rabbit pAb

Cat No.:ES4763

For research use only

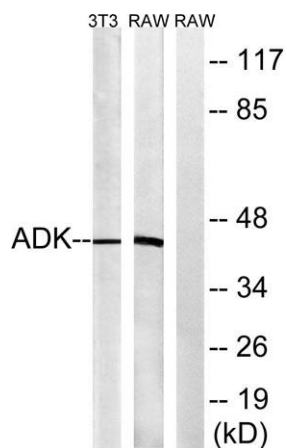
Overview

Product Name	ADK rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ADK. AA range:1-50
Specificity	ADK Polyclonal Antibody detects endogenous levels of ADK protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Adenosine kinase
Gene Name	ADK
Cellular localization	[Isoform 1]: Nucleus .; [Isoform 2]: Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	132
Human Swiss-Prot Number	P55263
Alternative Names	ADK; Adenosine kinase; AK; Adenosine 5'-phosphotransferase
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],



Western blot analysis of lysates from RAW264.7 and NIH/3T3 cells, using ADK Antibody. The lane on the right is blocked with the synthesized peptide.

