

产品名称: ADK Rabbit Polyclonal Antibody
产品货号: APRab06638



产品概述 (Summary)

产品名称 (Production Name)	ADK Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ADK
别名 (Alternative Names)	ADK; Adenosine kinase; AK; Adenosine 5'-phosphotransferase
基因 ID (Gene ID)	132.0
蛋白 ID (SwissProt ID)	P55263. The antiserum was produced against synthesized peptide derived from human ADK. AA range: 1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	40kDa

研究背景 (Background)

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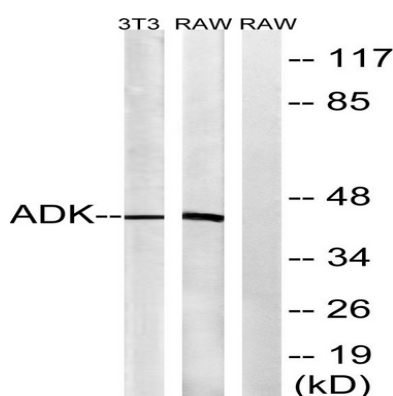


This gene encodes an enzyme which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, 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], catalytic activity: ATP + adenosine = ADP + AMP, cofactor: Binds 3 magnesium ions per subunit, function: ATP dependent phosphorylation of adenosine and other related nucleoside analogs to monophosphate derivatives. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenine nucleotides, pathway: Purine metabolism; AMP biosynthesis via salvage pathway; AMP from adenosine: step 1/1, similarity: Belongs to the carbohydrate kinase pfkB family, subunit: Monomer, tissue specificity: Widely expressed. Highest level in placenta, liver, muscle and kidney.

研究领域 (Research Area)

Purine metabolism;

图片 (Image Data)



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.

注意事项 (Note)

For research use only .