ADK Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	ADK, Polyclonal Antibody
Full Product Name	ADK Polyclonal Antibody
Product Gene Name	anti-ADK antibody
Clonality	Polyclonal
Molecular Weight	36,580 Da
OMIM	102750
3D Structure	ModBase 3D Structure for P55263
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-ADK antibody	MBS8521116 is an antibody targeting ADK. Also known as ADK Polyclonal Antibody.
Other Notes	Small volumes of anti-ADK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADK. It may not necessarily be applicable to this product.

NCBI GI #	32484973
NCBI GeneID	132
NCBI Accession #	NP_001114.2
UniProt Primary Accession #	P55263
UniProt Secondary Accession #	O00741; O00742; Q16710; Q5JQ10; Q5JQ11; Q9BTN2; B7Z783; B7Z800
UniProt Related Accession #	P55263
GenBank Nucleotide #	NM_001123.3
NCBI Official Full Name	adenosine kinase isoform a
NCBI Official Synonym Full Names	adenosine kinase
NCBI Official Symbol	ADK
NCBI Official Synonym Symbols	AK
UniProt Protein Name	Adenosine kinase
UniProt Synonym Protein Names	Adenosine 5'-phosphotransferase
UniProt Gene Name	ADK
UniProt Synonym Gene Names	AK
NCBI Protein Information	adenosine kinase

NCBI Summary for ADK	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]
UniProt Comments for ADK	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.
Research Articles on ADK	**1.** The results of this study showed that over-expression of the major adenosine removing enzyme ADK in reactive astrocytes and subpopulation of remaining neurons in Rasmussen Encephalitis patients plays an important role in the epileptogensis of Rasmussen Encephalitis.
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