AK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AK2, Polyclonal Antibody
Full Product Name	AK2 (Adenylate Kinase Isoenzyme 2, AK 2, ATP-AMP Transphosphorylase 2, ADK2) (MaxLight 490)
Product Gene Name	anti-AK2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human AK2. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to removing the cap.
Molecular Weight	21,636 Da
Immunogen	Full length human AK2, aa1-239 (NP_001616.1).
Immunogen Sequence	MAPSVPAAEPEYPKGIRAVLLGPPGAGKGTQAPRLAENFCVCHLATGDMLRAMVASGSELGKKLKATMDAGKLVSDEMVVELIEKNLETPLCKNGFLLDG
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-AK2 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-AK2 antibody	Western Blot (WB)
Application Notes for anti-AK2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AK2 antibody	Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups in the mitochondrial intermembrane space and may play a role in apoptosis.
Other Notes	Small volumes of anti-AK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar
Searchable Terms for AK2 purchase	MBS6369215 is an antibody targeting AK2. Also known as AK2 (Adenylate Kinase Isoenzyme 2, AK 2, ATP-AMP Transphosphorylase 2, ADK2) (MaxL

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AK2. It may not necessarily be applicable to this product.

NCBI GI #	4502013
NCBI GeneID	204
NCBI Accession #	NP_001616.1
UniProt Secondary Accession #	Q16856; Q5EB54; Q5TIF7; Q8TCY2; Q8TCY3; A8K6L1; B4DHH7; B4DL64
UniProt Related Accession #	P54819
GenBank Nucleotide #	NM_001625.2
NCBI Official Full Name	adenylate kinase 2, mitochondrial isoform a
NCBI Official Synonym Full Names	adenylate kinase 2
NCBI Official Symbol	AK2
NCBI Official Synonym Symbols	ADK2
NCBI Protein Information	adenylate kinase 2, mitochondrial
NCBI Summary for AK2	Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates; this gene encodes isozyme 2. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis. Mutations in this gene are the cause of reticular dysgenesis. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1 and 2.[provided by RefSeq, Nov 2010]
Research Articles on AK2	**1.** AK2 deficiency compromises the mitochondrial energy metabolism required for differentiation of human neutrophil and lymphoid lineages.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/ak2/6369215