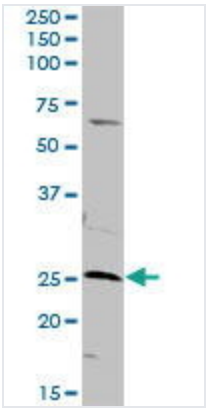
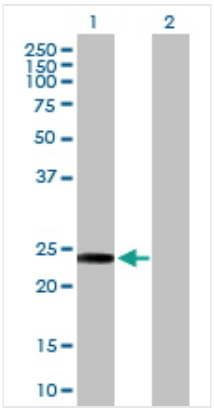
AK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AK3, Polyclonal Antibody
Full Product Name	AK3 (GTP:AMP Phosphotransferase, Mitochondrial, Adenylate Kinase 3, AK 3, Adenylate Kinase 3 alpha-like 1, AK3L1, AK6, AKL3L) APC
Product Gene Name	anti-AK3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human AK3.
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 vial prior to removing the cap.
Molecular Weight	21,014 Da
OMIM	AB021870 mRNA
3D Structure	ModBase 3D Structure for Q9UIJ7
Immunogen	Full length human AK3, aa1-227 (NP_057366.2).
Immunogen Sequence	MGASARLLRAVIMGAPGSGKGTVSSRITTHFELKHLSSGDLLRDNMLRGTEIGVLAKAFIDQGKLIPDDVMTRLALHELKNLTQYSWLLDGFPRTLPQAEAI
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-AK3 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-AK3 antibody	Western Blot (WB)
Application Notes for anti-AK3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AK3 antibody	MBS6369221 is an antibody targeting AK3. Also known as AK3 (GTP:AMP Phosphotransferase, Mitochondrial, Adenylate Kinase 3, AK 3, Adenylate K
Other Notes	Small volumes of anti-AK3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar



Western Blot (WB) of anti-AK3 antibody
AK3 rabbit polyclonal antibody. Western Blot analysis of AK3 expression in HeLa.



Western Blot (WB) of anti-AK3 antibody
Western Blot analysis of AK3 expression in transfected 293T cell line by AK3 polyclonal antibody. Lane 1: AK3 transfected lysate (25.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AK3. It may not necessarily be applicable to this product.

NCBI GI #	19923437
NCBI GeneID	50808
NCBI Accession #	NP_057366.2
UniProt Primary Accession #	Q9UIJ7
UniProt Secondary Accession #	Q5VYW6; Q9H576; Q9HC01; Q9NPB4; B4DP58; D3DRI1; E7ET30
UniProt Related Accession #	Q9UIJ7
GenBank Nucleotide #	NM_016282.2
NCBI Official Full Name	GTP:AMP phosphotransferase AK3, mitochondrial isoform a
NCBI Official Synonym Full Names	adenylate kinase 3
NCBI Official Symbol	AK3
NCBI Official Synonym Symbols	AK6; FIX; AK3L1; AKL3L; AKL3L1
UniProt Protein Name	GTP:AMP phosphotransferase AK3, mitochondrial
UniProt Synonym Protein Names	Adenylate kinase 3
Protein Family	GTP:AMP phosphotransferase
UniProt Gene Name	AK3
UniProt Synonym Gene Names	AK 3
NCBI Protein Information	GTP:AMP phosphotransferase AK3, mitochondrial; adenylate kinase 3 alpha-like 1; GTP:AMP phosphotransferase, mitochondrial; adenylate kinase 6, adenylate kinase 3 like 1
NCBI Summary for AK3	The protein encoded by this gene is a GTP:ATP phosphotransferase that is found in the mitochondrial matrix. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
UniProt Comments for AK3	Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Has GTP:AMP phosphotransferase and ITP:AMP phosphotransferase activities.
Research Articles on AK3	**1.** Observational study of gene-disease association. (HuGE Navigator)

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