

DATASHEET

AK3 Rabbit Polyclonal Antibody

CAT. NO. APA15039

KEY FEATURES

Target	AK3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Mitochondrial adenylate kinase with a specific GTP:AMP phosphotransferase activity . Could also use ITP as phosphate donor . Its physiological function is to recycle GTP into GDP which is necessary for the TCA cycle in the mitochondrial matrix (Probable).

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

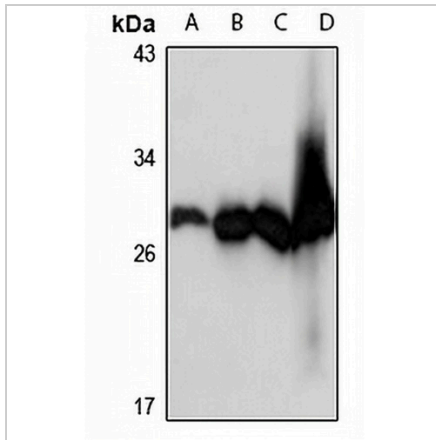
Description	Rabbit polyclonal antibody to AK3
Specificity	Recognizes endogenous levels of AK3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AK3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 18; Observed: 26 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	AK3L1; AK6; AKL3L; GTP:AMP phosphotransferase AK3 mitochondrial; Adenylate kinase 3; AK 3; Adenylate kinase 3 alpha-like 1
Gene Symbol	AK3
Entrez Gene	50808(Human); 56248(Mouse); 26956(Rat)
SwissProt	Q9UIJ7(Human); Q9WTP7(Mouse); P29411(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of AK3 expression in A549 (A), mouse liver (B), mouse heart (C), rat pancreas (D) whole cell lysates. (Predicted band size: 18; 21; 25 kD; Observed band size: 26 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.