

Datasheet for ABIN165376

anti-Adenylate Kinase 3 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Adenylate Kinase 3 (AK3)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Adenylate Kinase 3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant AK3, Accession / GI number: NP_057366
Clone:	SJB3-36
Isotype:	IgG2b kappa
Purification:	The antibody was purified from mouse ascitic fluids by protein-G affinity chromatography

Target Details

Target:	Adenylate Kinase 3 (AK3)
Alternative Name:	AK3 (AK3 Products)
Background:	Adenylate kinase (AK, adenosine triphosphate-adenosine monophosphate [ATP-AMP] phosphotransferase, EC 2.7.4.3) is a ubiquitous monomeric enzyme involved energy metabolism of prokaryotic and eukaryotic cells. Three isozymes (AK1, AK2 and AK3) are characterized in vertebrates. AK1 is present in the cytosol of skeletal muscle, brain, and erythrocyte, while AK2 is

Target Details

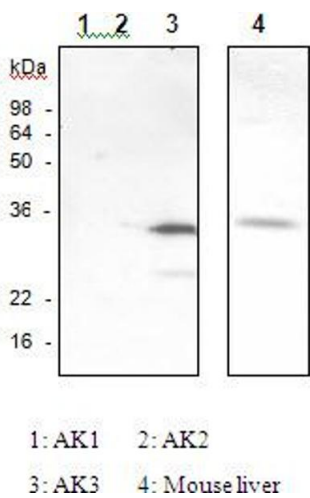
localized in the intermembrane space of mitochondria of liver, kidney, spleen and heart. AK3, called GTP:AMP phosphotransferase, exists in the mitochondrial matrix of liver and heart. These isozymes contribute to homeostasis of the adenine nucleotide composition in the cell.

Pathways: [Nucleotide Phosphorylation](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

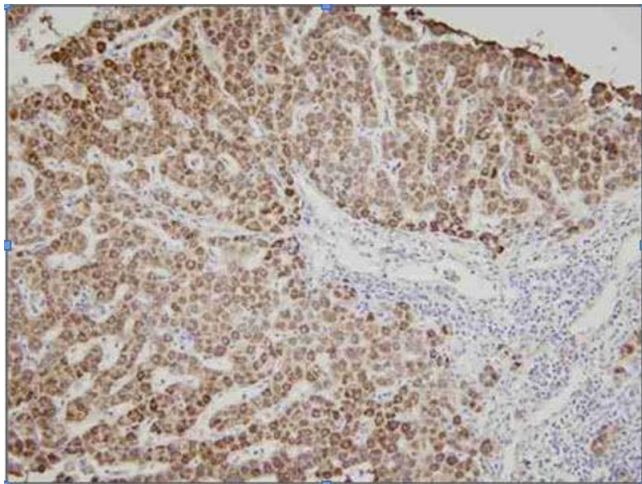
Application Notes:	Recommended dilution 1:1000(W.B), Recommended dilution 1:100(IHC)
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1mg/ml
Buffer:	In Phosphate-Buffered Saline (pH7.4) with 0.1% Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Images



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Human liver tissue was incubated with anti-human Ak3 (1:100) for 2 hours at room temperature. Slide was then washed in PBS, and was incubated in avidin biosystem anti-rabbit labeled polymer for 30 min at RT. Enzyme detection was performed with DAB chromo-gen.