

Datasheet for ABIN359166

anti-Adenylate Kinase 7 antibody (C-Term)**1** Image[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	Adenylate Kinase 7 (AK7)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 7 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human AK7.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to AK7.
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	Adenylate Kinase 7 (AK7)
Abstract:	AK7 Products
Background:	The adenylate kinases (AK) are a family of structurally and functionally related enzymes that

Target Details

catalyze a similar reaction, $\text{MgNTP} + \text{AMP} = \text{MgNDP} + \text{ADP}$ ($\text{N} = \text{A or G}$). The AK enzymes are important for maintenance of homeostasis of the adenine and guanine nucleotide pools. AK1 is a cytosolic enzyme for which ATP is the substrate. AK2 catalyzes the same reaction as AK1, but it is localized in the mitochondrial intermembrane space. AK3 is present in the mitochondrial matrix and prefers GTP over ATP as the substrate.

Gene ID: 122481, 9606

UniProt: [Q96M32](#)

Pathways: [Nucleotide Phosphorylation](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

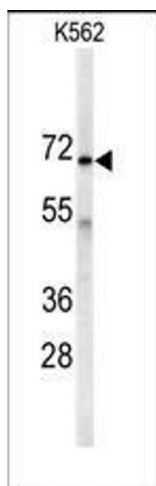
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of anti-AK7 Antibody (C-term) in K562 cell line lysates (35ug/lane). AK7 (arrow) was detected using the purified Pab.