

Datasheet for ABIN391103

anti-Adenylate Kinase 7 antibody (C-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Adenylate Kinase 7 (AK7)
Binding Specificity:	AA 629-656, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This AK7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 629-656 amino acids from the C-terminal region of human AK7.
Clone:	RB15558
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Adenylate Kinase 7 (AK7)
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Target Details

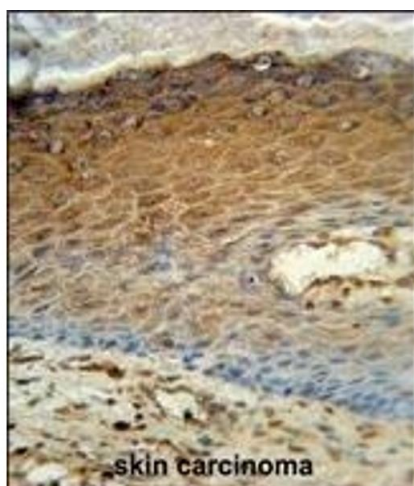
Alternative Name:	AK7 (AK7 Products)
Background:	The adenylate kinases (AK) are a family of structurally and functionally related enzymes that catalyze a similar reaction, $\text{MgNTP} + \text{AMP} = \text{MgNDP} + \text{ADP}$ (N = A or G). The AK enzymes are important for maintenance of homeostasis 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.
Molecular Weight:	82658
Gene ID:	122481
NCBI Accession:	NP_689540
UniProt:	Q96M32
Pathways:	Nucleotide Phosphorylation

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

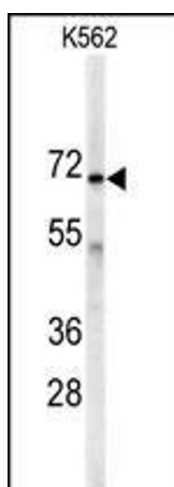
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. AK7 Antibody (C-term) (ABIN391103 and ABIN2841238) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AK7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-AK7 Antibody (C-term) (ABIN391103 and ABIN2841238) in K562 cell line lysates (35 µg/lane). AK7 (arrow) was detected using the purified Pab.