

Datasheet for ABIN392736

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

## Overview

Quantity:	400 µL
Target:	Adenylate Kinase 3 (AK3)
Binding Specificity:	AA 195-223, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This AK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-223 amino acids from the C-terminal region of human AK3.
Clone:	RB3888
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Adenylate Kinase 3 (AK3)
Alternative Name:	AK3 ( <a href="#">AK3 Products</a> )

## Target Details

**Background:** AK3 is a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated.

**Molecular Weight:** 25268

**Gene ID:** 205

**NCBI Accession:** [NP\\_001005353](#), [NP\\_037542](#), [NP\\_982289](#)

**UniProt:** [P27144](#)

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

## Application Details

**Application Notes:** WB: 1:1000. 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.

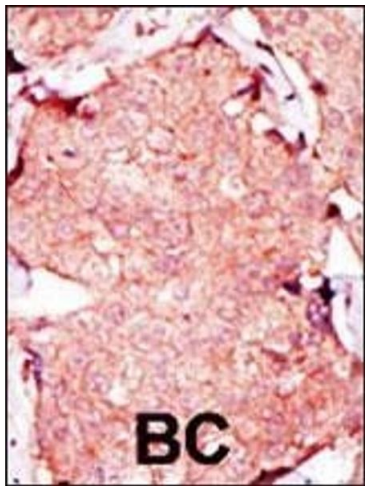
**Preservative:** Sodium azide

**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

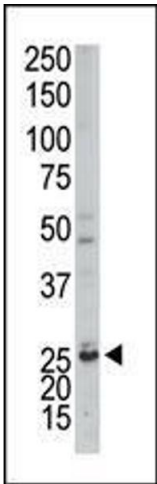
**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



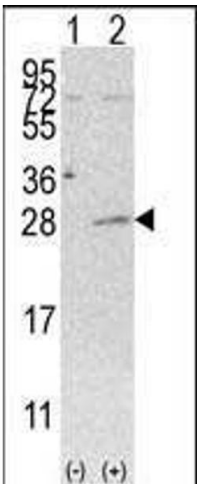
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



**Western Blotting**

**Image 2.** The anti-AK3 Pab (ABIN392736 and ABIN2842196) is used in Western blot to detect AK3 in mouse kidney tissue lysate.



**Western Blotting**

**Image 3.** Western blot analysis of AK3 (arrow) using rabbit polyclonal AK3 Antibody (C-term H38) (ABIN392736 and ABIN2842196). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the AK3 gene (Lane 2) (Origene Technologies).