

Datasheet for ABIN7143348

**anti-Adenylate Kinase 5 antibody (AA 61-215)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µg
Target:	Adenylate Kinase 5 (AK5)
Binding Specificity:	AA 61-215
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Adenylate kinase isoenzyme 5 protein (61-215AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	Adenylate Kinase 5 (AK5)
Alternative Name:	AK5 ( <a href="#">AK5 Products</a> )
Background:	Background: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Active

## Target Details

on AMP and dAMP with ATP as a donor. When GTP is used as phosphate donor, the enzyme phosphorylates AMP, CMP, and to a small extent dCMP. Also displays broad nucleoside diphosphate kinase activity.

Aliases: Adenylate kinase 5 antibody, Adenylate kinase 6 antibody, Adenylate kinase isoenzyme 5 antibody, AK 5 antibody, AK5 antibody, AK6 antibody, ATP AMP transphosphorylase 5 antibody, ATP-AMP transphosphorylase 5 antibody, KAD5 antibody, KAD5\_HUMAN antibody, MGC33326 antibody

UniProt: [Q9Y6K8](#)

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

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

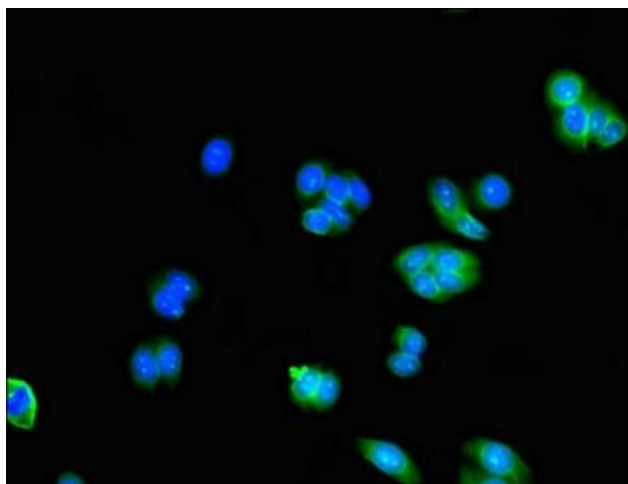
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

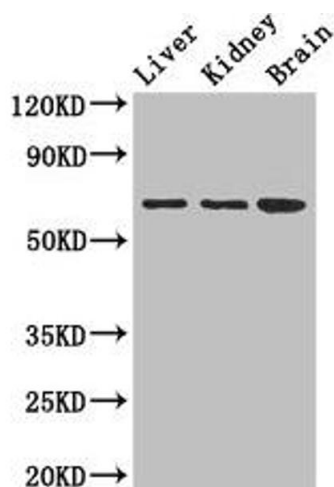
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



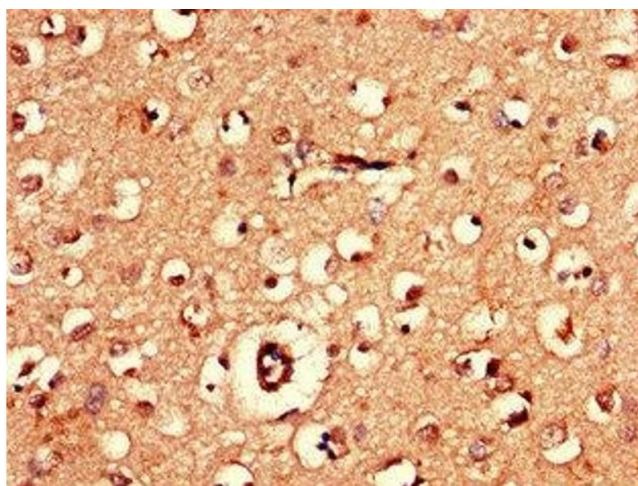
#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7143348 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse liver tissue, Mouse kidney tissue, Mouse brain tissue All lanes: AK5 antibody at 2.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 64, 22, 61 kDa Observed band size: 64 kDa



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7143348 at dilution of 1:100