



[Go to Product page](#)

Datasheet for ABIN6259848

anti-Adenylate Kinase 5 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	Adenylate Kinase 5 (AK5)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human AK5, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	AK5 Antibody detects endogenous levels of total AK5.
Predicted Reactivity:	Zebrafish,Bovine,Horse,Sheep,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Adenylate Kinase 5 (AK5)
---------	--------------------------

Target Details

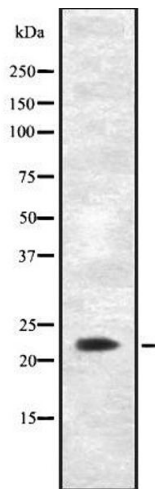
Alternative Name:	AK5 (AK5 Products)
Background:	<p>Description: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Active on AMP and dAMP with ATP as a donor. When GTP is used as phosphate donor, the enzyme phosphorylates AMP, CMP, and to a small extent dCMP. Also displays broad nucleoside diphosphate kinase activity.</p> <p>Gene: AK5</p>
Molecular Weight:	22 kDa
Gene ID:	26289
UniProt:	Q9Y6K8
Pathways:	Nucleotide Phosphorylation , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB 1:1000-3000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

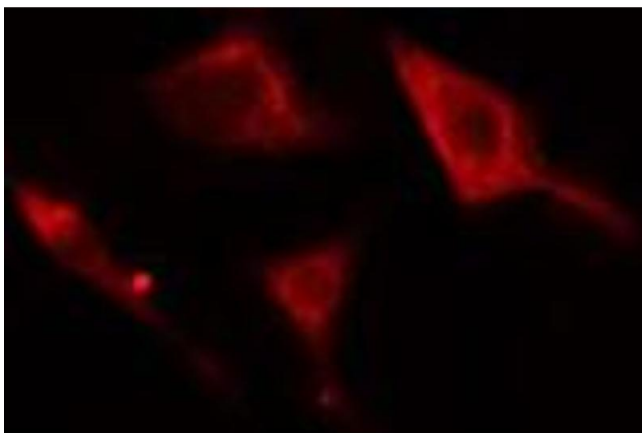
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of AK5 using Jurkat whole cell lysates



Immunofluorescence (fixed cells)

Image 2. ABIN6278812 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody