

Datasheet for ABIN2782459

**anti-Adenylate Kinase 2 antibody (Middle Region)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	Adenylate Kinase 2 (AK2)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Guinea Pig, Rabbit, Horse, Cow, Dog, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenylate Kinase 2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AK2
Sequence:	LIHPKSGRSY HEEFNPPKEP MKDDITGEPL IRRSDDNEKA LKIRLQAYHT
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 92%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against AK2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	Adenylate Kinase 2 (AK2)
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## Target Details

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Alternative Name:	<a href="#">AK2 (AK2 Products)</a>
Background:	<p>Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Three isozymes of adenylate kinase, namely 1, 2, and 3, have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis.</p> <p>Alias Symbols: ADK2, AK 2</p> <p>Protein Interaction Partner: HUWE1, UBC, MDM2, BAG3, ABCC5, ABCC6, TUFM, SAFB, MRPL12, IDH1, DSP, DLD, RAVR1, TELO2, CUL3, SHBG, SUMO2, MEPCE,</p> <p>Protein Size: 239</p>
Molecular Weight:	26 kDa
Gene ID:	204
NCBI Accession:	<a href="#">NM_001625, NP_001616</a>
UniProt:	<a href="#">P54819</a>
Pathways:	<a href="#">Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 239 AA
Restrictions:	For Research Use only

## Handling

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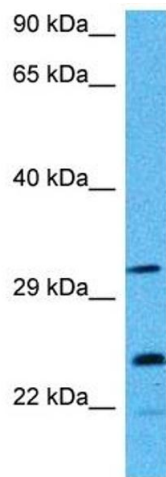
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

## Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** Host: Mouse Target Name: AK2 Sample Tissue: Mouse Testis Antibody Dilution: 1ug/ml



### Western Blotting

**Image 2.** WB Suggested Anti-AK2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: RPMI 8226 cell lysate AK2 is strongly supported by BioGPS gene expression data to be expressed in RPMI-8226