

Datasheet for ABIN3032659  
**anti-AMPK alpha antibody**

## 2 Images

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## Overview

Quantity:	0.4 mL
Target:	AMPK alpha (SNF1A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AMPK alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	This AMPK alpha antibody was produced from a mouse immunized with PRKAA1 recombinant protein.
Clone:	167CT22-1-6
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	Expected species reactivity: Rat
Purification:	Purified

## Target Details

Target:	AMPK alpha (SNF1A)
Alternative Name:	AMPK alpha ( <a href="#">SNF1A Products</a> )
Background:	AMPK alpha is the catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor

## Target Details

protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and by longer-term effects via phosphorylation of transcription regulators. [UniProt]

UniProt: [Q13131](#)

Pathways: [Warburg Effect](#)

## Application Details

Application Notes: Titration of the AMPK alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:100-1:500

Restrictions: For Research Use only

## Handling

Format: Liquid

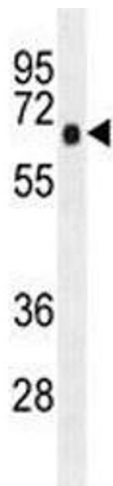
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

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

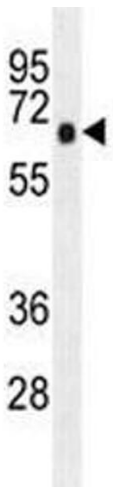
Storage: -20 °C

Storage Comment: Aliquot the AMPK alpha antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

**Image 1.** AMPK alpha antibody western blot analysis in K562 lysate.



Western Blotting

**Image 2.** AMPK alpha antibody western blot analysis in K562 lysate.