

Datasheet for ABIN3032387  
**anti-PRKAB2 antibody (AA 3-33)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	0.4 mL
Target:	PRKAB2
Binding Specificity:	AA 3-33
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 3-33 from human PRKAB2 was used as the immunogen for this AMPK beta 2 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

## Target Details

Target:	PRKAB2
Alternative Name:	AMPK beta 2 (PRKAB2) ( <a href="#">PRKAB2 Products</a> )
Background:	The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular

## Target Details

energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex.

UniProt: [O43741](#)

Pathways: [AMPK Signaling](#), [Warburg Effect](#)

## Application Details

Application Notes: Titration of the AMPK beta 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

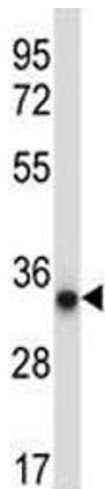
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

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 beta 2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

**Image 1.** AMPK beta 2 antibody western blot analysis in A375 lysate.



Western Blotting

**Image 2.** AMPK beta 2 antibody western blot analysis in A375 lysate.



Western Blotting

**Image 3.** AMPK beta 2 antibody western blot analysis in mouse kidney tissue lysate