



Datasheet for ABIN391055
anti-PRKAB2 antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PRKAB2
Binding Specificity:	AA 3-33, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This AMPK beta2 (PRKAB2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-33 amino acids from the N-terminal region of human AMPK beta2 (PRKAB2).
Clone:	RB3183
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PRKAB2
Alternative Name:	AMPK Beta2 (PRKAB2) (PRKAB2 Products)

Target Details

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 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.

Molecular Weight: 30302

Gene ID: 5565

NCBI Accession: [NP_005390](#)

UniProt: [O43741](#)

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

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

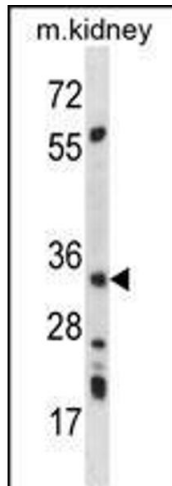
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

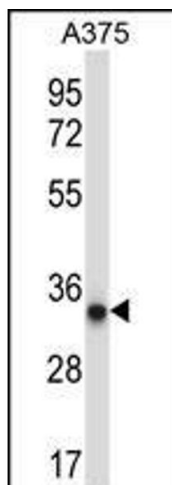
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. PRKAB2 Antibody (A18) (ABIN391055 and ABIN2841212) western blot analysis in mouse kidney tissue lysates (35 µg/lane). This demonstrates the PRKAB2 antibody detected the PRKAB2 protein (arrow).



Western Blotting

Image 2. PRKAB2 Antibody (A18) (ABIN391055 and ABIN2841212) western blot analysis in cell line lysates (35 µg/lane). This demonstrates the PRKAB2 antibody detected the PRKAB2 protein (arrow).