

Datasheet for ABIN6264421  
**anti-PRKAB2 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	PRKAB2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	A synthesized peptide derived from human PRKAB2, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	PRKAB2 Antibody detects endogenous levels of total PRKAB2.
Predicted Reactivity:	Bovine, Sheep, Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	PRKAB2
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## Target Details

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Alternative Name: [PRKAB2 \(PRKAB2 Products\)](#)

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Background: Description: Non-catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor 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. Also acts as a regulator of cellular polarity by remodeling the actin cytoskeleton, probably by indirectly activating myosin. Beta non-catalytic subunit acts as a scaffold on which the AMPK complex assembles, via its C-terminus that bridges alpha (PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3).

Gene: PRKAB2

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Molecular Weight: 30kDa

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Gene ID: 5565

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UniProt: [O43741](#)

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

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## Application Details

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Application Notes: WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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

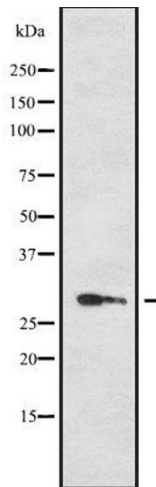
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Storage: -20 °C

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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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### Western Blotting

**Image 1.** Western blot analysis of PRKAB2 using HepG2 whole cell lysates