

Datasheet for ABIN7142681
anti-PRKAB2 antibody (AA 1-272)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---------------------------------------|
| Quantity: | 100 µL |
| Target: | PRKAB2 |
| Binding Specificity: | AA 1-272 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PRKAB2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human 5\\\'-AMP-activated protein kinase subunit beta-2 protein (1-272AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Antigen Affinity Purified |

Target Details

| | |
|-------------------|--|
| Target: | PRKAB2 |
| Alternative Name: | PRKAB2 (PRKAB2 Products) |
| Background: | Background: 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 |

Target Details

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).

Aliases: 5' AMP activated protein kinase beta 2 subunit antibody, 5' AMP activated protein kinase subunit beta 2 antibody, 5"-AMP-activated protein kinase subunit beta-2 antibody, AAKB2_HUMAN antibody, AMP activated protein kinase beta 2 non catalytic subunit antibody, AMPK beta 2 antibody, AMPK beta 2 chain antibody, AMPK subunit beta 2 antibody, AMPK subunit beta-2 antibody, MGC61468 antibody, PRKAB 2 antibody, Prkab2 antibody, Protein kinase AMP activated beta 2 non catalytic subunit antibody

UniProt: [O43741](#)

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

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

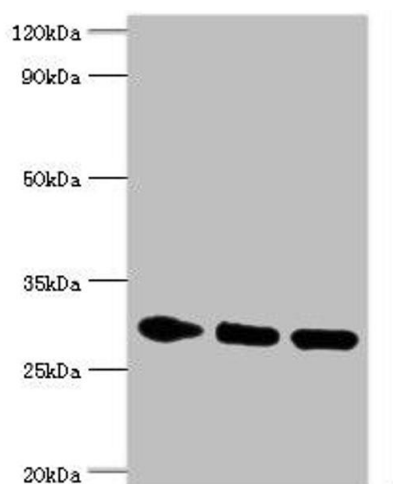
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot All lanes: PRKAB2 antibody at 5 μ g/mL Lane 1: Rat brain tissue Lane 2: Mouse heart tissue Lane 3: Mouse gonad tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 31, 22 kDa Observed band size: 31 kDa