PRKAB2 Antibody

PACO43918

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000

Protein 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 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 ID:

PRKAB2

Uniprot

O43741

Synonyms:

5'-AMP-activated protein kinase subunit beta-2 (AMPK subunit beta-2), PRKAB2

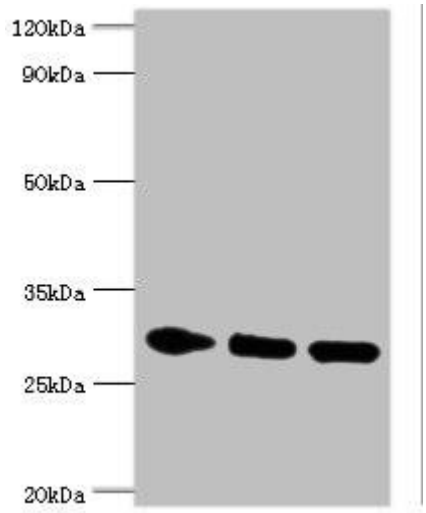
Immunogen:

Recombinant Human 5'-AMP-activated protein kinase subunit beta-2 protein (1-272AA).

Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot. All lanes: PRKAB2 antibody at 5µg/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.