

#### Goat anti-PRKAB2 Antibody

Peptide-affinity purified goat antibody Catalog # AF4533a

### **Specification**

## Goat anti-PRKAB2 Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host

Clonality Calculated MW IHC, IF, FC, Pep-ELISA

043741 NP\_005390.1

Human, Mouse, Rat, Bovine

Goat Polyclonal 30302

#### Goat anti-PRKAB2 Antibody - Additional Information

#### **Gene ID 5565**

## **Other Names**

PRKAB2; protein kinase, AMP-activated, beta 2 non-catalytic subunit; MGC61468; 5'-AMP-activated protein kinase, beta-2 subunit; AMP-activated protein kinase beta 2 non-catalytic subunit; AMPK beta 2; AMPK beta-2 chain

# **Dilution**

IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50 Pep-ELISA~~N/A

## **Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

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.

#### **Precautions**

Goat anti-PRKAB2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

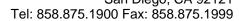
# Goat anti-PRKAB2 Antibody - Protein Information

# Name PRKAB2

#### **Function**

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 Cterminus that bridges alpha (PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3).

## **Goat anti-PRKAB2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat anti-PRKAB2 Antibody - Images