

Goat anti-PRKAB2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF4533a

Specification

Goat anti-PRKAB2 Antibody - Product Information

Application	IHC, IF, FC, Pep-ELISA
Primary Accession	O43741
Other Accession	NP_005390.1
Reactivity	Human, Mouse, Rat, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	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

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 C-terminus 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-PRKAB2 Antibody - Images