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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

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 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 Cytomety
- Cell Culture

Goat anti-PRKAB2 Antibody - Images