10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat anti-PRKAB2 Antibody

Peptide-affinity purified goat antibody
Catalog # AF4533a

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
Clone Names	PRKAB2
Calculated MW	30302

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.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.