Immunotag™ PRKAB2 Antibody

Antibody Specification

Catalog No.	ITA8500
Product Description	Immunotag™ PRKAB2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PRKAB2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PRKAB2
Specificity	PRKAB2 Antibody detects endogenous levels of total PRKAB2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PRKAB2
Accession No.	O43741
Alternate Names	5' AMP activated protein kinase beta 2 subunit; 5' AMP activated protein kinase subunit beta 2; 5''-AMP-activated protein kinase subunit beta-2; AAKB2_HUMAN; AMP activated protein kinase beta 2 non catalytic subunit; AMPK beta 2; AMPK beta 2 chain; AMPK subunit beta 2; AMPK subunit beta-2; MGC61468; PRKAB 2; Prkab2; Protein kinase AMP activated beta 2 non catalytic subunit;

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Description	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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	30kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.