

DATASHEET

AMPK beta 2 Rabbit Polyclonal Antibody

CAT. NO. APA12366

KEY FEATURES

Target	AMPK beta 2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

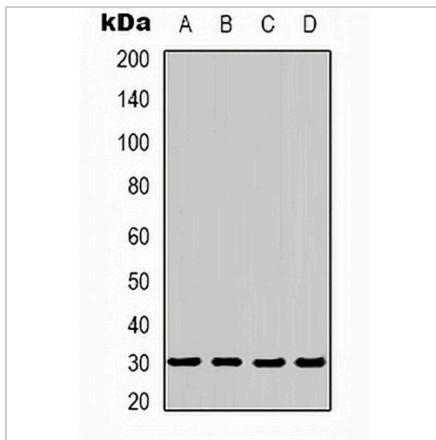
Description	Rabbit polyclonal antibody to AMPK beta 2
Specificity	Recognizes endogenous levels of AMPK beta 2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant protein corresponding to human AMPK beta 2.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 30 kD; Observed: 30 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	5'-AMP-activated protein kinase subunit beta-2; AMPK subunit beta-2
Gene Symbol	PRKAB2
Entrez Gene	5565(Human)
SwissProt	O43741(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of AMPK beta 2 expression in 293T (A), HepG2 (B), mouse heart (C), rat heart (D) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 30 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.