

Anti-Human/Mouse/Rat AMPK beta2 Polyclonal Antibody
Polyclonal Antibody**Cat.NO.: PA04218**

3th Edition

Description:PRKAB2 (Protein Kinase AMP-Activated Non-Catalytic Subunit Beta 2) is a Protein Coding gene. Among its related pathways are RET signaling and Regulation of TP53 Activity. GO annotations related to this gene include identical protein binding and AMP-activated protein kinase activity. An important paralog of this gene is PRKAB1. The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles. Multiple alternatively spliced transcript variants have been found for this gene.

Antigen:Recombinant Protein

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: