

AMPK gamma1 Polyclonal Antibody

Catalog No. B-IO-10065 **Reactivity** H,M,R

Storage Store at -20°C. Avoid freeze /thaw cycles. **Host** Rabbit

Applications WB,ELISA **Isotype** IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Immunogen Information

Immunogen Recombinant protein of human PRKAG1

Gene Accession BC000358

Swissprot P54619

Synonyms AMPKG

Product Information

Calculated MW 38kDa

Buffer PBS with 0.05% sodium azide, 50% glycerol, PH7.3

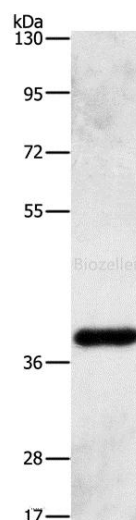
Purify Affinity purification

Dilution WB 1:200-1:1000

Background

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 is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Images



Western Blot analysis of Human fetal liver tissue using
AMPK gamma1 Polyclonal Antibody at dilution of 1:500