PRKAG3 Rabbit Polyclonal Antibody

CAB14132

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

Calculated MW:

51kDa/54kDa

Applications:

IF

Reactivity:

Human

Antibody Information

Recommended dilutions:
IF 1:50 - 1:100

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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. It is dominantly expressed in skeletal muscle. Studies of the pig counterpart suggest that this subunit may play a key role in the regulation of energy metabolism in skeletal muscle.

Immunogen information

Gene ID:
53632

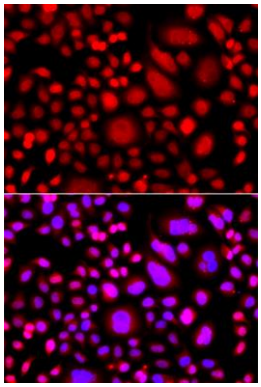
Uniprot
Q9UGI9

Synonyms:
PRKAG3; AMPKG3

Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human PRKAG3 (NP_059127.2).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Immunofluorescence analysis of A549 cells using PRKAG3 antibody (CAB14132). Blue: DAPI for nuclear staining.