

A7470

Leader in Biomolecular Solutions for Life Science



# PRKAG3 Rabbit pAb

Catalog No.: A7470

## Basic Information

### Observed MW

### Calculated MW

54kDa

### Category

Polyclonal Antibody

### Applications

ELISA

### Cross-Reactivity

Human

## 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.

## Recommended Dilutions

## Immunogen Information

### Gene ID

53632

### Swiss Prot

Q9UGI9

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human PRKAG3 (NP\_059127.2).

### Synonyms

AMPKG3; SMGMQTL; PRKAG3

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.