

Anti-PRKAG3 Antibody Picoband® HRP Conjugated

Catalog Number: A04841-2-HRP

About PRKAG3

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.

Overview

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|----------------------|---|
| Product Name | Anti-PRKAG3 Antibody Picoband® HRP Conjugated |
| Reactive Species | Mouse, Rat |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | Q9UGI9 |

Technical Details

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|---------------------|--|
| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human PRKAG3. |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | HRP |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements. |

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Anti-PRKAG3 Antibody - HRP

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