

## Anti-PRKAG3 Antibody (C-term)

Catalog Number: A04841

### 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. [provided by RefSeq].

### Overview

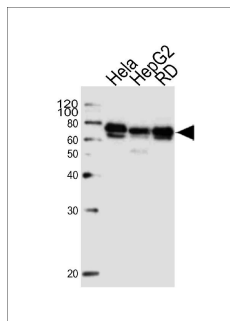
|                      |                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-PRKAG3 Antibody (C-term)                                                                                                            |
| Reactive Species     | Human                                                                                                                                    |
| Description          | Boster Bio Anti-PRKAG3 Antibody (C-term) (Catalog # A04841). Tested in WB application(s). This antibody reacts with Human.               |
| Application          | WB                                                                                                                                       |
| Clonality            | Polyclonal                                                                                                                               |
| Formulation          | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                              |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host                 | Rabbit                                                                                                                                   |
| Uniprot ID           | Q9UGI9                                                                                                                                   |

### Technical Details

|                            |                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                  | This PRKAG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 426-454 amino acids from the C-terminal region of human PRKAG3.                                                                                  |
| Predicted Reactive Species | Bovine, Mouse                                                                                                                                                                                                                                             |
| Isotype                    | Rabbit IgG                                                                                                                                                                                                                                                |
| Purification               | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                                                                                          |
| Suggested Dilutions        | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. |

Some PubMed article(s) citing the expression level of this target are as follows:  
Boster Bio's internal QC testing used:  
WB: 1:1000

## Anti-PRKAG3 Antibody (C-term) (A04841) Images



Western blot analysis of lysates from HeLa, HepG2, RD cell line (from left to right), using PRKAG3 Antibody (C-term). A04841 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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