

PRKAG1 Rabbit Polyclonal Antibody



CAB7300

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

36kDa/38kDa

Calculated MW:

34kDa/37kDa/38kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

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. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Immunogen information

Gene ID:

5571

Uniprot

P54619

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Synonyms:

PRKAG1; AMPKG

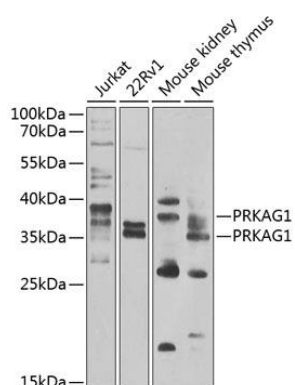
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-331 of human PRKAG1 (NP_002724.1).

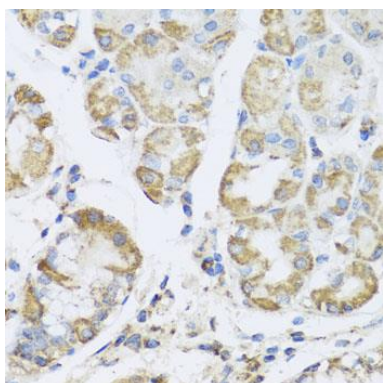
Storage:

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

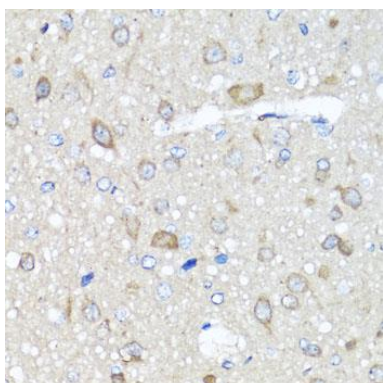
Product Images



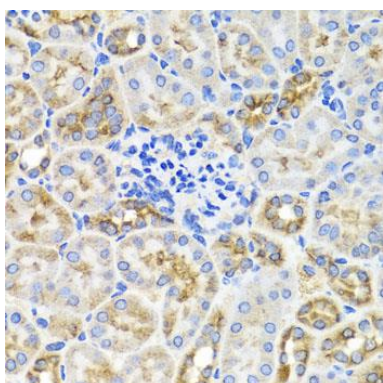
Western blot analysis of extracts of various cell lines, using PRKAG1 antibody (CAB7300) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded human stomach using PRKAG1 antibody (CAB7300) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using PRKAG1 antibody (CAB7300) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using PRKAG1 antibody (CAB7300) at dilution of 1:100 (40x lens).