

## Anti-PRKAG1 antibody

<b>Cat. No.</b>	ml221616
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-PRKAG1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Fusion protein of human PRKAG1
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.1 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	PRKAG1
<b>Full name</b>	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
<b>Synonyms</b>	AMPKG
<b>Swissprot</b>	P54619

### Target 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.

订购热线: 4008-898-798

#### Applications

##### Western blotting

Predicted band size: 38 kDa

Positive control: Human fetal liver tissue

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

Lysate: 60 µg

Lane: Human fetal liver tissue

Primary antibody: ml221616(PRKAG1 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 minutes



##### ELISA

Recommended dilution: 1000-2000

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