

AMPK Gamma1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00422
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PRKAG1. AA range:10-59
Mol wt	37579
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	AMPKgamma1 Antibody
Synonyms	PRKAG1; 5'-AMP-activated protein kinase subunit gamma-1; AMPK gamma1; AMPK subunit gamma-1; AMPKg

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by PRKAG1 (protein kinase AMP-activated non-catalytic subunit gamma 1) 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.

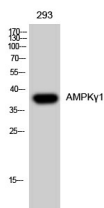
Recommended Dilution

WB: 1: 500 - 1: 2000

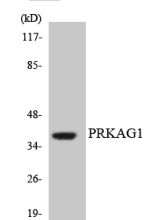
ELISA: 1: 5000

Not yet tested in other applications.

Images



Western Blot analysis of 293 cells using AMPK γ 1 Polyclonal Antibody cells nucleus.



Western blot analysis of the lysates from HT-29 cells using PRKAG1 antibody.

Storage

-20°C for one year

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