

AMPK alpha2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14210
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of AMPK α 2
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	N/A
Full name	5'-AMP-activated protein kinase catalytic subunit alpha-2
Synonyms	5'-AMP-activated protein kinase catalytic subunit alpha-2; PRKAA2; AMPK; AMPK2; 5'-AMP-activated protein kinase catalytic subunit alpha-2; AMPK subunit alpha-2; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase

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

Background

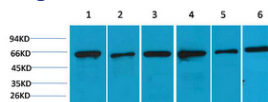
The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response 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. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia.

Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of 1) HeLa, 2) 293T, 3) C2C12, 4) 3T3, 5) Rat Heart, 6) Rat Brain using AMPK α 2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com