

AMPK beta 2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14212
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of AMPK β 2
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	
Full name	5'-AMP-activated protein kinase subunit beta-2
Synonyms	5'-AMP-activated protein kinase subunit beta-2; PRKAB2; 5'-AMP-activated protein kinase subunit beta-2; AMPK subunit beta-2

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

Background

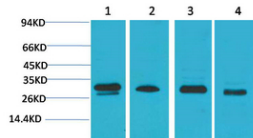
The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response 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 may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles. Multiple alternatively spliced transcript variants have been found for this gene.

Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of 1) 293T, 2) HepG2, 3) Mouse Heart Tissue, 4) Rat Heart Tissue using AMPK β 2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year