

# AMPK $\beta$ 2 Polyclonal Antibody

Cat No: HR1AP9371

For research use only

## Overview

Product Name	AMPK $\beta$ 2 Polyclonal Antibody
Source	Rabbit
Applications	WB
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	
Observed band	30kDa
GeneID?Human?	PRKAB2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	PRKAB2; 5'-AMP-activated protein kinase subunit beta-2; AMPK subunit beta-2
Background	<p>protein kinase AMP-activated non-catalytic subunit beta 2(PRKAB2) Homo sapiens 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. [provided by RefSeq, Jul 2013],</p>