



# AMPK $\beta$ 2 rabbit pAb

Cat No.:ES20834

For research use only

## Overview

Product Name	AMPK $\beta$ 2 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB: 1:1000-2000
Immunogen	Recombinant Protein of AMPK $\beta$ 2
Specificity	The antibody detects endogenous AMPK $\beta$ 2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	5'-AMP-activated protein kinase subunit beta-2
Gene Name	PRKAB2
Cellular localization	nucleoplasm,cytosol,nucleotide-activated protein kinase complex,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	
Observed band	30kD
Human Gene ID	5565
Human Swiss-Prot Number	O43741
Alternative Names	PRKAB2; 5'-AMP-activated protein kinase subunit beta-2; AMPK subunit beta-2
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. [provided by RefSeq, Jul 2013],

Western blot analysis of 1) 293T, 2) HepG2, 3) Mouse Heart Tissue, 4) Rat Heart Tissue using AMPK $\beta$ 2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

