

# AMPK $\alpha$ 1/2 (phospho Thr183/172) Polyclonal Antibody

Cat No: HR1AP2562

For research use only

## Overview

Product Name	AMPK $\alpha$ 1/2 (phospho Thr183/172) Polyclonal Antibody
Source	Rabbit
Applications	IF, WB, IHC-p, ELISA
Species Reactivity	Human, Mouse, Rat, Monkey, Pig
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	63kDa
GeneID?Human?	AAPK1/AAPK2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	PRKAA1; AMPK1; 5'-AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit alpha-1; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase; T
Background	protein kinase AMP-activated catalytic subunit alpha 1 (PRKAA1) Homo sapiens The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008],