

AMPK beta 1 (Phospho-Ser108) Antibody HRP Conjugated

Catalog No: #C04437H

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Description

Product Name	AMPK beta 1 (Phospho-Ser108) Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WBB B IHC-PB IHC-F
Species Reactivity	MsB RtB
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from mouse AMPK beta 1 around the phosphorylation site of Ser108
Conjugates	HRP
Target Name	AMPK beta 1 Ser108
Other Names	PRKAB1phospho S108; PRKAB1S108; AMPK beta 1Ser108; p-AMPK beta 1Ser108; p-AMPK beta 1S108; 5 AMP activated protein kinase subunit beta 1; AMPK; AMPK beta 1 chain; AMPKb; HAMPKb; PRKAB1; 5'-AMP-activated protein kinase subunit beta-1; AMP-activated protein kinase beta subunit; protein kinase, AMP-act
Accession No.	NCBI Gene ID19079
Uniprot	Q9R078
GeneID	19079;
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000B B IHC-P=1:50-200B IHC-F=1:50-200B

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. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex. [provided by RefSeq, Jul 2008].

Note: This product is for in vitro research use only