

**AMPK b1 protein**

<b>Catalog No :</b>	YD0008
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;SDS-PAGE
<b>Gene Name :</b>	PRKAB1
<b>Protein Name :</b>	AMPK b1 protein
<b>Sequence :</b>	Amino acid: 118-226, with his-MBP tag.
<b>Human Gene Id :</b>	5564
<b>Human Swiss Prot No :</b>	Q9Y478
<b>Mouse Swiss Prot No :</b>	Q9R078
<b>Formulation :</b>	Liquid in PBS
<b>Source :</b>	E.coli
<b>Dilution :</b>	WB 1:500-2000
<b>Concentration :</b>	SDS-PAGE >90%
<b>Storage Stability :</b>	-20 °C/6 month,-80 °C for long storage
<b>Background :</b>	<p>function:AMPK is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. Also regulates cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase and hormone-sensitive lipase. This is a regulatory subunit, may be a positive regulator of AMPK activity. It may also serve as an adaptor molecule for the catalytic alpha-subunit.,PTM:Phosphorylated.,similarity:Belongs to the 5'-AMP-activated protein kinase beta subunit family.,subunit:Heterotrimer of an alpha catalytic subunit, a beta and a gamma non-catalytic regulatory subunits. Interacts with FNIP1 and FNIP2.,</p>

protein complex assembly, fatty acid metabolic process, fatty acid biosynthetic

**Function :**

process, lipid biosynthetic process, regulation of cellular ketone metabolic process, organic acid biosynthetic process, regulation of lipid metabolic process, regulation of fatty acid metabolic process, macromolecular complex subunit organization, regulation of fatty acid oxidation, carboxylic acid biosynthetic process, protein oligomerization, protein heterooligomerization, macromolecular complex assembly, protein complex biogenesis,

**Sort :**

1964

**Host :**

Rabbit

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