

小鼠抗 PRKAB1 单克隆抗体

中文名称： 小鼠抗 PRKAB1 单克隆抗体

英文名称： Anti-PRKAB1 mouse monoclonal antibody

别名： protein kinase AMP-activated non-catalytic subunit beta 1; AMPK; HAMPKb

相关类别： 一抗

储存： 冷冻（-20℃）

宿主： Mouse

抗原： PRKAB1

反应种属： Human, Mouse, Rat, Monkey

标记物： Unconjugate

克隆类型： Mouse Monoclonal

技术规格

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 m

	ediating the association of the AMPK complex.
Applications:	WB, IF, IP, IHC
Name of antibody:	PRKAB1
Immunogen:	Fusion protein of human PRKAB1
Full name:	protein kinase AMP-activated non-catalytic subunit beta 1
Synonyms:	AMPK; HAMPKb
SwissProt:	Q9Y478
IHC positive control:	Human breast cancer
IHC Recommend dilution:	100-200
WB Predicted band size:	30 kDa
WB Positive control:	3T3, HeLa, PC-12, COS7 and MDA-MB-468 cell lysates
WB Recommended dilution:	1000-5000
IF positive control:	HeLa cells
IF Recommend dilution:	50-100



