

AMPK β 1 (Mix-mA) Mouse Monoclonal Antibody

Catalog# UZ-PA00593

Product information

产品货号	UZ-PA00593
别名	5'-AMP-activated protein kinase subunit beta-1 (AMPK subunit beta-1) (AMPKb);AMPK
产品名称	AMPK β 1 (Mix-mA) Mouse Monoclonal Antibody
类别	抗体产品
基因名称	PRKAB1
推荐应用	IHC-P, WB
反应种属	Human, Mouse, Rat
存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N
Human Gene ID	5564
Human Swissprot No.	Q9Y478
免疫原	Synthesized peptide derived from human AMPK β 1
稀释度	IHC-P 1:50-200, WB 1:1000-2000
预测分子量	38kDa
运输及保存条件	-20°C/1 year
宿主	Mouse
背景介绍	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]
细胞定位	nucleus, nucleoplasm, cytosol, nucleotide-activated protein kinase complex,
纯化	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clonality	Monoclonal