AMPKβ1 Mouse Monoclonal Antibody(Mix-mA)

Catalog	TDY1048C	TDY1048F	Tel：010-80117836
			Web：www.tdybio.com
Quantity	50μL	100μL	Entrez-Gene ID#5564 , Swiss-Prot Acc.#Q9Y478

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB	**H, R, M**	**38KD**	**IgG1**

Storage Buffer & Condition: Antigen Affinity Purified IgG1 in PBS, pH 7.4, containing 0.02% ***sodium azide*** as Preservative and 50% Glycerol.

Store at ***-20°C***. ***Do not aliquot the antibody***.

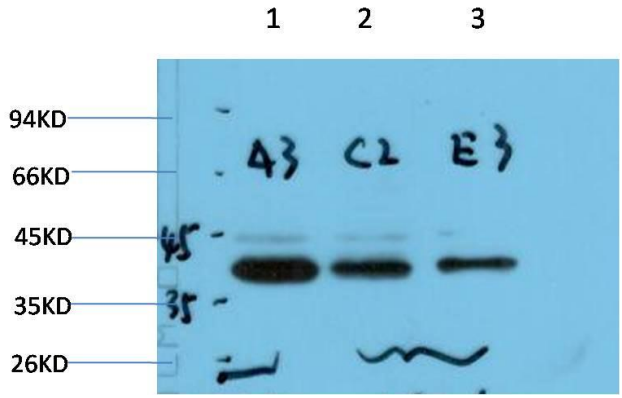
Recommended dilutions:**WB: 1:500-2,000**

Optimal dilutions should be determined by the end user.

Specificity: Antibody can detects endogenous AMPKβ1 protein.

Alternative Names: AMPK beta 1 antibody,PRKAB1

Background: Protein kinase AMP-activated non-catalytic subunit beta 1(PRKAB1) Homo sapiens 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.



Western blot analysis of 1)Jurkat Cell, 2) Mouse Brain, 3) PC12 Cell

Lysate using AMPK β1（TDY1048）Mouse Monoclonal mAb diluted at 1:2,000.