

AMPKβ1 Mouse Monoclonal Antibody(5D8)

Catalog TDY1047C TDY1047F

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
IHC	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.**

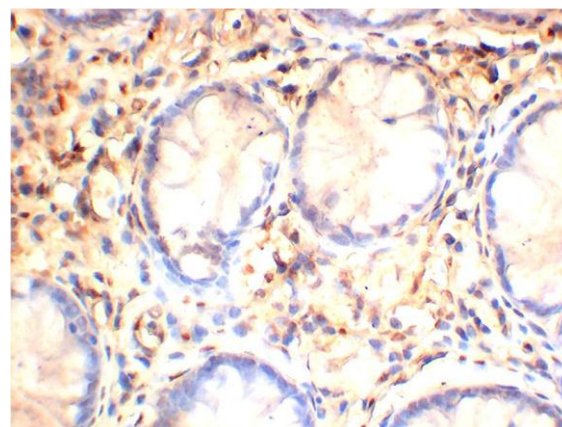
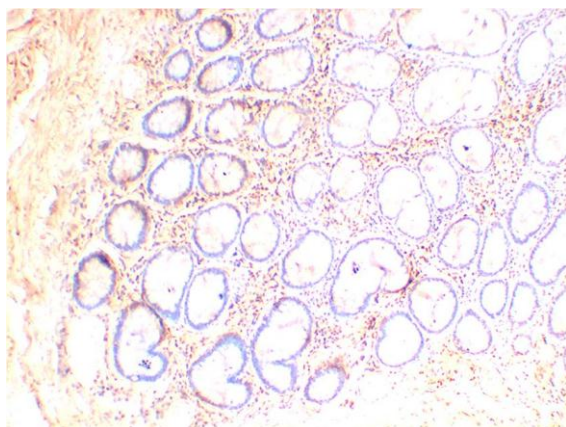
Recommended dilutions: IHC: 1:100-200

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.



Immunohistochemical analysis of paraffin-embedded Human Colon Tissue using AMPK β1 (TDY1047) Mouse Monoclonal antibody diluted at 1:200.

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