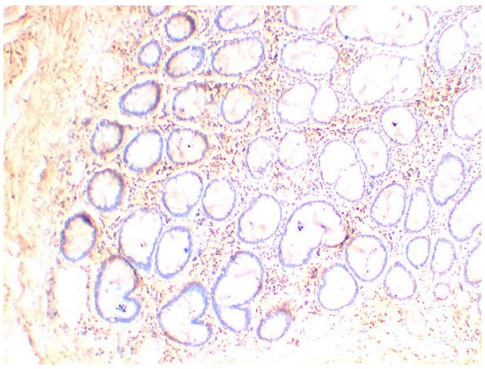
AMPK β 1 Mouse Monoclonal Antibody(5D8)

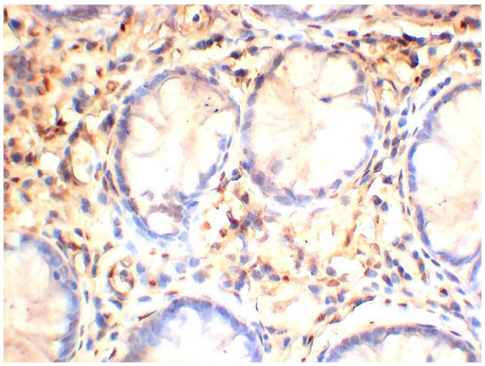
Catalog No： RA10303

Basic Information	
Host species	Mouse
Applications	IHC
Species Cross-Reactivity	H, R, M
Specificity	Antibody can detects endogenous AMPKβ1 protein.
Recommended dilutions	IHC: 1:100-200 Optimal dilutions should be determined by the end user.
Applications	
Formulation	Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal
Background	
Alternative Names	AMPK beta 1 antibody,PRKAB1
Observed band	38
Human Gene ID	5564
Human Swiss-Prot Number	Q9Y478
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.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Human ColonTissue using AMPK β1 Mouse Monoclonal antibody diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human ColonTissue using AMPK β1 Mouse Monoclonal antibody diluted at 1:200.