

AMPK α 1 Mouse Monoclonal Antibody(5G11)

Catalog No.: RA10054

Basic Information

Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	63KD

Applications

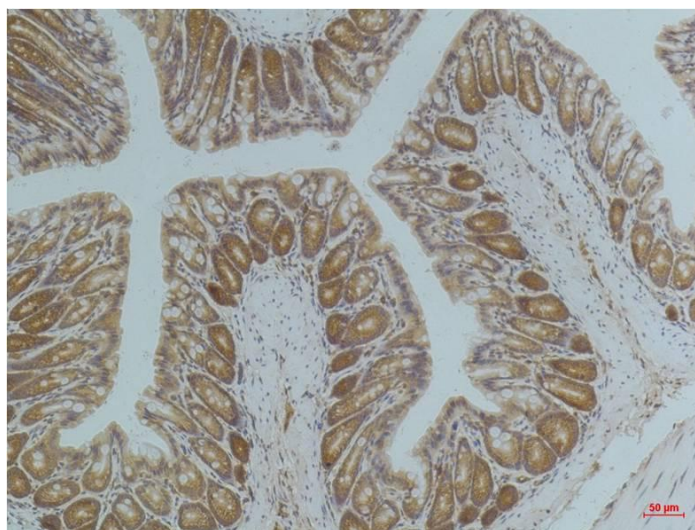
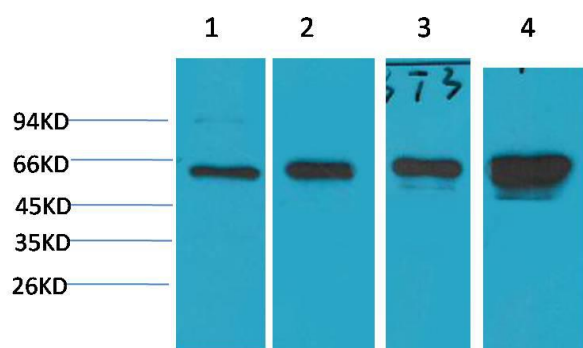
Recommended Dilution

WB	1:1,000-2,000
IHC	1:100-200

Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



Western blot analysis of 1)Hela, 2)293T, 3)3T3, 4)PC12 with AMPK α1 Mouse mAb diluted at 1:2,000.

Immunohistochemical analysis of paraffin-embedded Mouse ColonTissue using AMPK α1 Mouse mAb diluted at 1:200.

Background

AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes ($\alpha 1,2$; $\beta 1,2$; $\gamma 1,2,3$).