

AMPK α 1 Mouse Monoclonal Antibody(5G11)

Catalog TDY495C TDY495F

Tel: 010-80117836

Web: www.tdybio.com

Quantity 50 μ L 100 μ L

Entrez-Gene ID#5562, Swiss-Prot Acc.#Q13131

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB,IHC	H,R,M	~63KD	IgG1

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

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

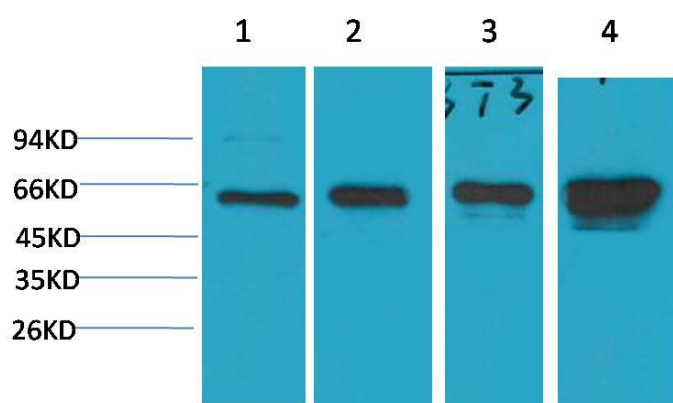
Recommended dilutions: WB: 1:1,000-2,000 IHC: 1:100-200

Optimal dilutions should be determined by the end user.

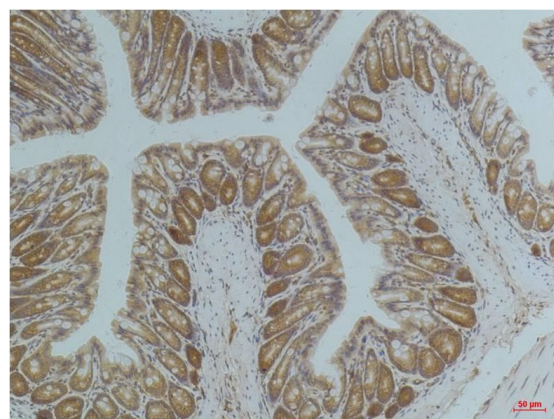
Specificity: Antibody can detects endogenous AMPK α 1 protein.

Alternative Names: AAKP1, 5 AMP activated protein kinase alpha 1 catalytic subunit, PRKAA1, SNF1A, MGC33776

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 (α 1, 2; β 1, 2; γ 1, 2, 3).



Western blot analysis of 1)HeLa, 2) 293T, 3)3T3, 4) PC12 with AMPK α 1 Mouse mAb TDY495 diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Mouse Colon Tissue using AMPK α 1 (TDY495) Mouse mAb diluted at 1:200.