

AMPK α 1 Mouse Monoclonal Antibody(9G3)

Catalog TDY646C TDY646F

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	~62KD	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.**

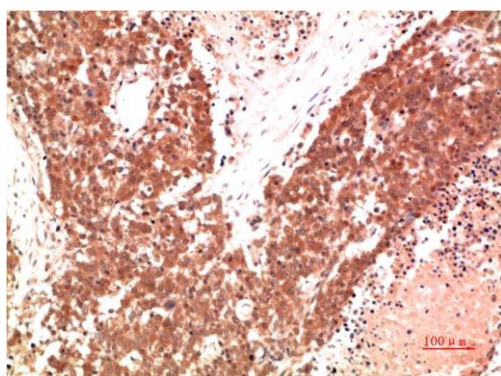
Recommended dilutions: WB: 1:1,000-2,000 IHC: 1:100-200

Optimal dilutions should be determined by the end user.

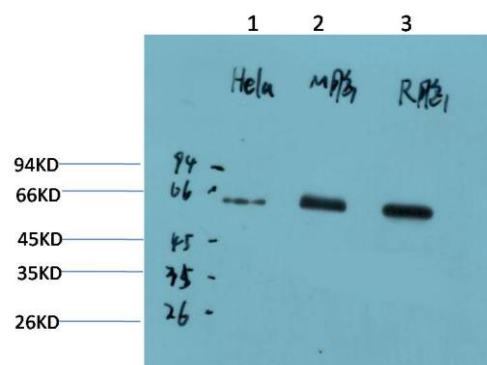
Specificity: Antibody can detects endogenous AMPK α 1 protein.

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

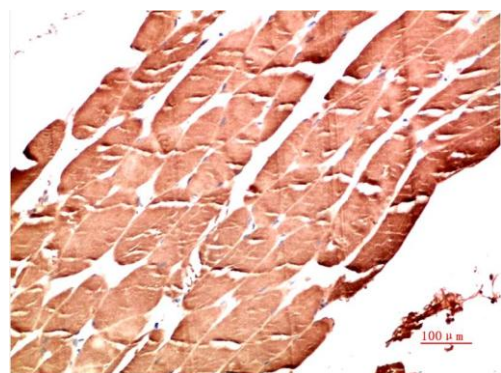
Background: AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three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



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using AMPK α 1 (TDY646) Mouse mAb diluted at 1:200.



Western blot analysis of 1) HeLa Cell Lysate, 2) Mouse Brain Tissue Lysate, 3) Rat Brain Tissue Lysate using AMPK α 1 (TDY646) Mouse mAb diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded Human Skeletal Muscle Tissue using AMPK α 1 (TDY646) Mouse mAb diluted at 1:200.

Applications: WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chormatin Immunoprecipitation
Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish