

AMPK α 1 Mouse Monoclonal Antibody(9G3)**Catalog No.: RA10164****Basic Information****Information**

Reactivity	H,M,R
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	62KD

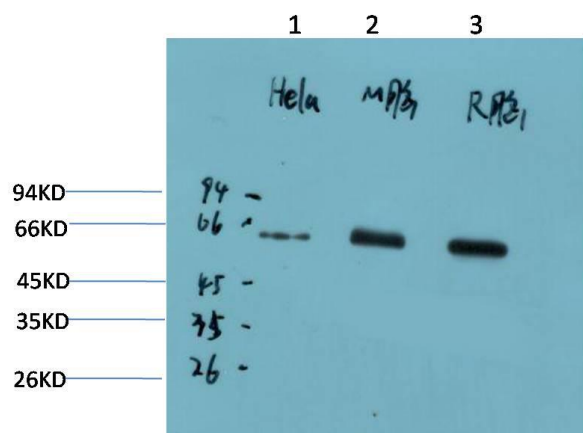
Applications**Recommended Dilution**

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

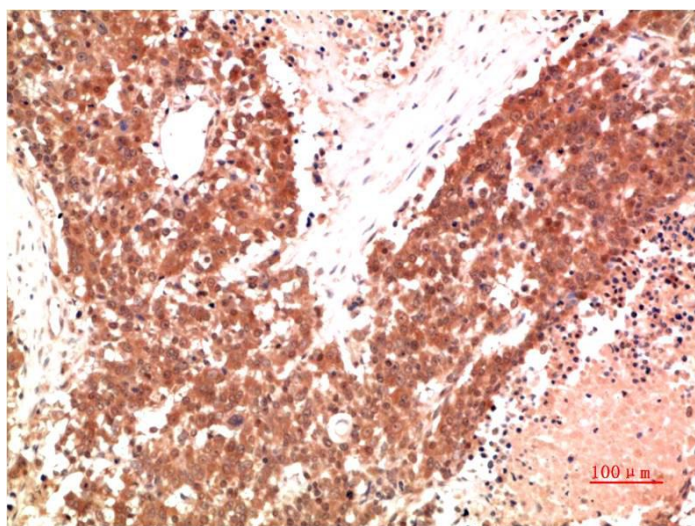
Preparation & Storage

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 Cell Lysate, 2)Mouse Brain Tissue Lysate, 3)Rat Brain Tissue Lysate using AMPK $\alpha 1$ Mouse mAb diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using AMPK $\alpha 1$ 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 ($\alpha 1,2$; $\beta 1,2$; $\gamma 1,2,3$).