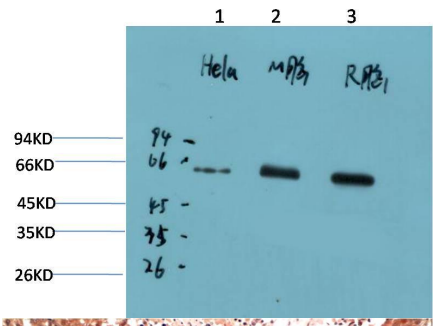
ELK Biotechnology

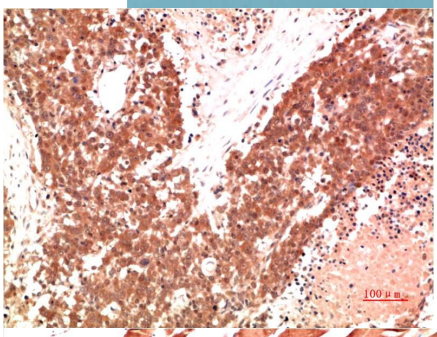
AMPK α 1 (9G3) Mouse mAb
Catalog NO.: EM1327
For research use only.

Overview

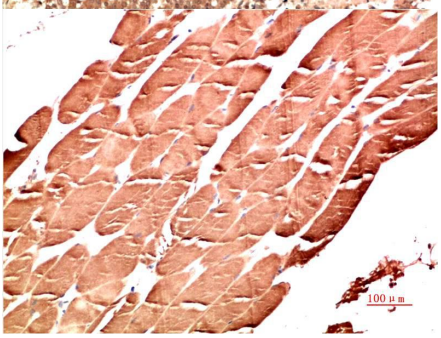
Product name	AMPK α 1 (9G3) Mouse Monoclonal antibody
Source	Mouse
Applications	**WB IHC**
Species reactivity	**Human Rat Mouse**
Recommended dilutions	**WesternBlot:1/1000-2000** **Immunohistochemistry:1/100-200** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Recombinant Protein
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	**62kDa**
GeneID（Human）	5562
Human Swiss-Prot No.	Q13131
Cellular localization	Cytoplasm Nucleus
Alternative Names	AAPK1 5 AMP activated protein kinase alpha 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) Hela Cell Lysate 2)Mouse Brain Tissue Lysate 3) Rat Brain Tissue Lysate using AMPK a1 （EM1327） Mouse mAb diluted at:2000.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using AMPk a1（EM1327）Mouse mAb diluted at:200.



Immunohistochemical analysis of paraffin-embedded Human Skeletal Muscle Tissue using AMPk a1（EM1327）Mouse mAb diluted at:200.