



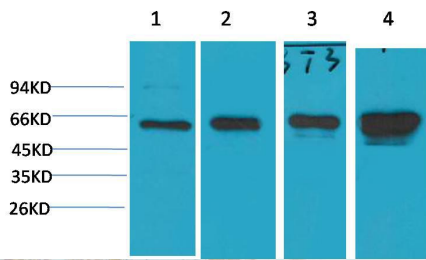
# ELK Biotechnology

**AMPK  $\alpha$  1 Mouse mAb**  
**Catalog NO.: EM1225**  
**For research use only.**

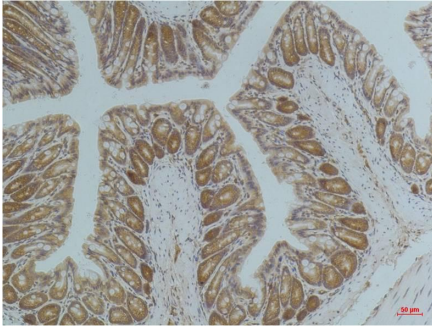
## Overview

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Product name	AMPK $\alpha$ 1 Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IHC</b>
Species reactivity	<b>Human Rat Mouse</b>
Recommended dilutions	<b>WesternBlot:1/1000-2000</b> <b>Immunohistochemistry:1/100-200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
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	<b>63kDa</b>
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 $\alpha$ subunit and regulatory $\beta$ and $\gamma$ subunits each of which is encoded by two or three distinct genes ( $\alpha$ 1 2; $\beta$ 1 2; $\gamma$ 1 2 3).



Western blot analysis of)Hela 2) 293T 3)3T3 4) PC12 with AMPK a1 Mouse mAb EM1225 diluted at:2000.



Immunohistochemical analysis of paraffin-embedded Mouse ColonTissue using AMPK a1 (EM1225) Mouse mAb diluted at:200.