



# ELK Biotechnology

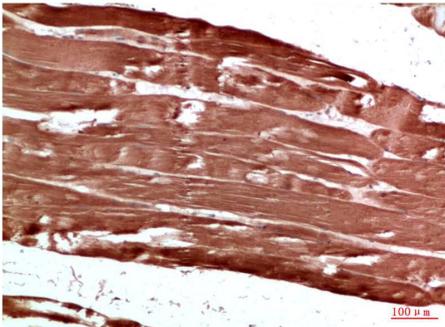
**AMPK  $\gamma$  1 Rabbit pAb**  
**Catalog NO.: EA326**  
**For research use only.**

## Overview

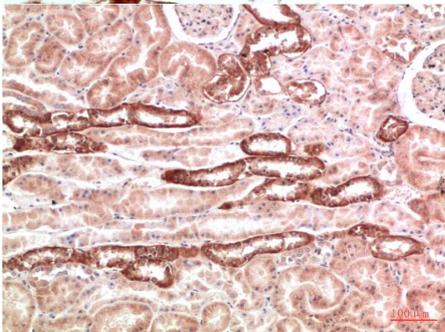
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Product name	AMPK $\gamma$ 1 Rabbit polyclonal antibody
Source	Rabbit
Applications	<b>WB, IHC</b>
Species reactivity	<b>Human, Mouse, Rat</b>
Recommended dilutions	<b>WesternBlot:1/1000-2000</b> <b>Immunohistochemistry:1/100-200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	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	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	<b>38kDa</b>
GeneID (Human)	5571
Human Swiss-Prot No.	P54619
Cellular localization	Cytosol,Nucleus
Alternative Names	AMPK gamma 1, AMPKg, PRKAG 1

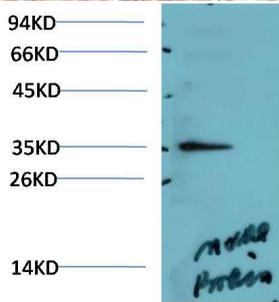
**Background** AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic  $\alpha$  subunit and regulatory  $\beta$  and  $\gamma$  subunits, each of which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



Immunohistochemical analysis of paraffin-embedded Human Skeletal Muscle Tissue using AMPK  $\gamma$ 1 (EA326) Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using AMPK  $\gamma$ 1 (EA326) Rabbit pAb diluted at 1:200.



Western blot analysis of Mouse Brain Tissue Lysate using AMPK  $\gamma$ 1 (EA326) Rabbit pAb diluted at 1:2000.