

**Product Name: AMPK gamma 1 Rabbit Monoclonal Antibody****Catalog #: AMRe01644**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 38 kDa; Observed MW: 38 kDa

**Antigen Information**

<b>Gene Name</b>	PRKAG1
<b>Alternative Names</b>	AMPKG
<b>Gene ID</b>	5571
<b>SwissProt ID</b>	P54619
<b>Immunogen</b>	A synthetic peptide of human AMPK gamma 1

**Background**

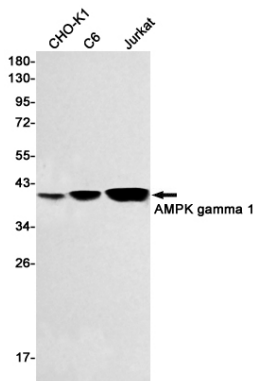
AMPK is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. Accumulating evidence indicates that AMPK not only regulates the metabolism of fatty acids and glycogen, but

also modulates protein synthesis and cell growth through EF2 and TSC2/mTOR pathways, as well as blood flow via eNOS/nNOS.

## Research Area

Cardiovascular

## Image Data



Western blot analysis of AMPK gamma 1 in CHO-K1, C6, Jurkat lysates using AMPK gamma 1 antibody.