

**Product Name: AMPK gamma 1 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02896**



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## Summary

<b>Production Name</b>	AMPK gamma 1 Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	PRKAG1
<b>Alternative Names</b>	AMPKG
<b>Gene ID</b>	5571
<b>SwissProt ID</b>	P54619

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
<b>Molecular Weight</b>	Calculated MW: 38 kDa; Observed MW: 38 kDa

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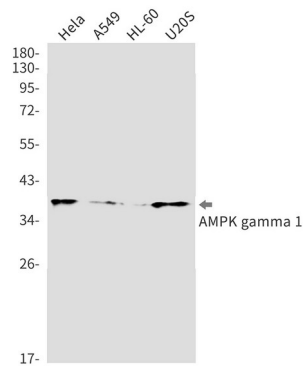
## Background

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.

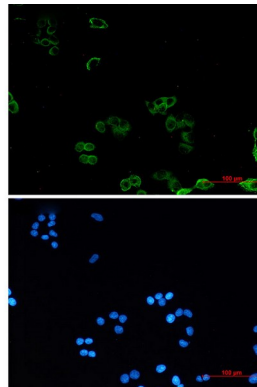
## Research Area

Cardiovascular

## Image Data



Western blot analysis of AMPK gamma 1 in HeLa, A549, HL-60, U2OS lysates using AMPK gamma 1 antibody.



Immunocytochemistry analysis of AMPK gamma 1 (green) in HeLa using AMPK gamma 1 antibody, and DAPI (blue)

## Note

For research use only.