

Recombinant

DGRmAb®

## AMPK gamma 1 (DGR31668) Rabbit mAb

db11349

Package : 10µL 20µL 50µL 100µL

**Product Name :** AMPK gamma 1 (DGR31668) Rabbit mAb

**Cat.No.:** db11349

**Synonyms :** AMPKG

**Application :** WB, IHC-P

**Reactivity :** Human

**Host species :** Rabbit

### Background

The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

### Immunogen

A synthetic peptide of human AMPK gamma 1

### Gene ID

5571

### Swiss Prot

P54619

### Synonyms

AMPKG

### Reactivity

Human

### Application

WB, IHC-P

### Recommended dilution

WB: 1:1000  
IHC-P: 1:100-1:200

### Calculated MW

38 kDa

### Observed MW

38 kDa

### Host species

Rabbit

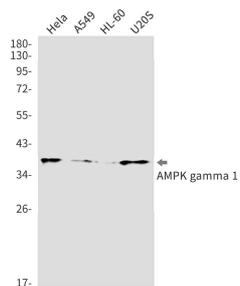
### Clonality

Monoclonal

### Clonality No.

DGR31668

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of AMPK gamma 1 in HeLa, A549, HL-60, U2OS cell lysates using AMPK gamma 1 antibody (1:1000 diluted).