

Recombinant

DGRmAb®

## AMPK alpha 1/2 (DGR14136) Rabbit mAb

db12601

Package : 10µL 20µL 50µL 100µL

**Product Name** : AMPK alpha 1/2 (DGR14136) Rabbit mAb**Cat.No.:** db12601**Synonyms** : AMPK; AMPK2; PRKAA; AMPKa2**Application** : WB, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

The protein encoded by this gene is a catalytic 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. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia. [provided by RefSeq, Jul 2008]

**Immunogen**

Recombinant protein of human AMPK alpha 2

**Gene ID**

5563

**Swiss Prot**

P54646

**Synonyms**

AMPK; AMPK2; PRKAA; AMPKa2

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IP

**Recommended dilution**WB: 1:1000  
IP: 1:20-1:50**Calculated MW**

64,62 kDa

**Observed MW**

62 kDa

**Host species**

Rabbit

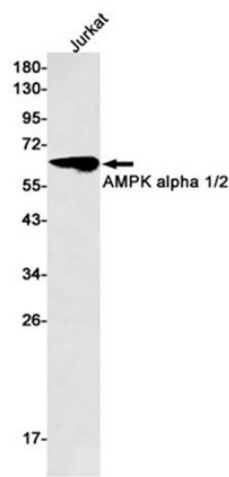
**Clonality**

Monoclonal

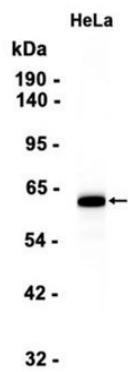
**Clonality No.**

DGR14136

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	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 alpha 1/2 in Jurkat cell lysates using AMPK alpha 1/2 antibody(1:500 diluted).



Western blot analysis of extracts from HeLa cells using db12601 at 1:1000.