

Recombinant

DGRmAb®

AMPK alpha 2 (DGR14497) Rabbit mAb

db11167

Package : 10µL 20µL 50µL 100µL

Product Name : AMPK alpha 2 (DGR14497) Rabbit mAb**Cat.No.:** db11167**Synonyms :** AMPK; AMPK2; PRKAA; AMPKa2**Application :** WB, IP**Reactivity :** Human**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

Application

WB, IP

Recommended dilutionWB: 1:1000
IP: 1:20-1:50**Calculated MW**

62 kDa

Observed MW

62 kDa

Host species

Rabbit

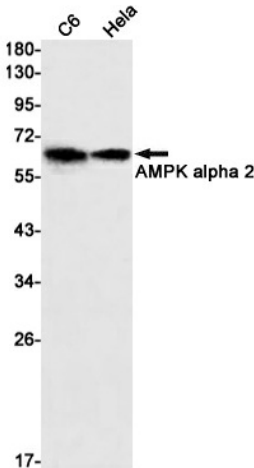
Clonality

Monoclonal

Clonality No.

DGR14497

| | |
|-------------------|---|
| 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 2 in C6,HeLa cell lysates using AMPK alpha 2 antibody(1:1000 diluted).