

Recombinant

DGRmAb®

## AMPK beta 1 (DGR14082) Rabbit mAb

db15433

Package : 10µL 20µL 50µL 100µL

**Product Name :** AMPK beta 1 (DGR14082) Rabbit mAb**Cat.No.:** db15433**Synonyms :** AMPK; HAMPKb**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human,Mouse,Rat**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 may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human AMPK beta 1

**Gene ID**

5564

**Swiss Prot**

Q9Y478

**Synonyms**

AMPK; HAMPKb

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:200-1:1000

ICC/IF: 1:200-1:500

FC: 1:200-1:1000

IP: 1:20-1:50

**Calculated MW**

30 kDa

**Observed MW**

38 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14082
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.