

AMPK beta 1 Rabbit pAb

db2971

Package : 20µL 50µL 100µL

Product Name : AMPK beta 1 Rabbit pAb

Cat.No.: db2971

Synonyms : AMPK; HAMPKb

Application : WB, IHC, 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, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000
 IHC: 1:20-1:500
 ICC/IF: 1:100
 FC: 1:20
 IP: 1:20

Calculated MW

30 kDa

Observed MW

38 kDa

Host species

Rabbit

| | |
|--------------------------|---|
| Clonality | Polyclonal |
| 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. |