

AMPK alpha 1/2 Rabbit pAb

db3025

Package : 20µL 50µL 100µL

Product Name : AMPK alpha 1/2 Rabbit pAb**Cat.No.:** db3025**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

Calculated MW

64,62 kDa

Observed MW

62 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.