

AMPK beta 1 Mouse mAb

db6601

Package : 50µL 100µL

Product Name : AMPK beta 1 Mouse mAb**Cat.No.:** db6601**Synonyms** : 5"-AMP-activated protein kinase subunit beta-1; AMP-activated; noncatalytic; beta-1; AMPK; AMPK beta 1 chain; AMPK subunit beta-1; AMPK-BETA-1; AMPKb; HAMPKb; PRKAB1**Application** : WB**Reactivity** : Human**Host species** : Mouse**Background**

Non-catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes/ inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and by longer-term effects via phosphorylation of transcription regulators. Also acts as a regulator of cellular polarity by remodeling the actin cytoskeleton; probably by indirectly activating myosin. Beta non-catalytic subunit acts as a scaffold on which the AMPK complex assembles, via its C-terminus that bridges alpha (PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3).

Immunogen

Recombinant Protein of AMPKβ1

Gene ID

5564

Swiss Prot

Q9Y478

Synonyms

5"-AMP-activated protein kinase subunit beta-1; AMP-activated; noncatalytic; beta-1; AMPK; AMPK beta 1 chain; AMPK subunit beta-1; AMPK-BETA-1; AMPKb; HAMPKb; PRKAB1

Reactivity

Human

Application

WB

Recommended dilution

WB: 1:500-1:1000

Calculated MW

30 kDa

Observed MW

38 kDa

Host species

Mouse

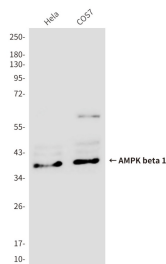
Clonality

Monoclonal

Clonality No.

2F2-4F9

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of AMPK β 1 in HeLa, COS7 lysates using AMPK beta 1 antibody.