

## 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

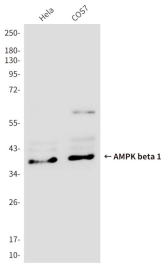
**Clonality**

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 AMPKβ1 in Hela, COS7 lysates using AMPK beta 1 antibody.