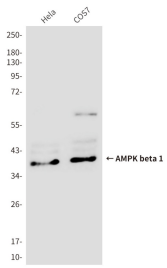
AMPK beta 1 Mouse mAb

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.