bsm-33447M **[Primary Antibody]**

AMPK gamma1 Mouse mAb

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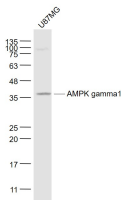
DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 5A1
GeneID: 5571
SWISS: P54619
Target: AMPK gamma1
Immunogen: Recombinant human AMPK gamma1 Protein: 5-82/331.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The 5 AMP activated protein kinase (AMPK), a member of the SNF1 (sucrose non fermentor) kinase family, is a heterotrimeric protein comprise of alpha (63 kDa), beta (30 kDa) and gamma (38 kDa) subunits. The alpha subunit is the catalytic subunit, while beta and gamma are non catalytic subunits (although they have been found to interact with the active subunit in liver). AMPK regulates fatty acid and sterol synthesis by phosphorylation of acetyl CoA as well as cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl CoA reductase. AMPK is activated by AMP and can be also regulated by treatment with purified protein phosphatase in vitro.

Applications: **WB** (1:500-2000)
Reactivity: Human
Predicted MW.: 36 kDa
Subcellular Location: Secreted ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: U87MG(Human) Cell Lysate at 30 ug Primary: Anti- AMPK gamma1 (bsm-33447M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 36 kD