bsm-63176R **[Primary Antibody]**

phospho-AMPK alpha 2 (S491) Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 7B3
GeneID: 5563
SWISS: P54646
Target: phospho-AMPK alpha 2 (S491)
Immunogen: A synthesized peptide derived from human AMPK alpha 2 around the phosphorylation site of S491: SC-pS-.
Purification: affinity purified by Protein A
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.
Background: 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.

Applications: **WB** (1:1000-1:2000)
Reactivity: Human, Mouse, Rat
Predicted MW.: 62 kDa
Subcellular Location: Cytoplasm ,Nucleus