

bsm-63299R**[Primary Antibody]****phospho-Tuberin (S939) Recombinant Rabbit mAb**

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— DATASHEET —

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| Host: Rabbit | Isotype: IgG | Applications: WB (1:1000-1:2000) Reactivity: Human, Mouse Predicted MW.: 201 kDa Subcellular Location: Cell membrane ,Cytoplasm |
| Clonality: Recombinant | CloneNo.: 5D7 | |
| GeneID: 7249 | SWISS: P49815 | |
| Target: phospho-Tuberin (S939) | | |
| Immunogen: A synthesized peptide derived from human Tuberin around the phosphorylation site of S939: RST-pS-LNER. | | |
| 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 component of the TSC-TBC complex, a multiprotein complex that acts as a negative regulator of the canonical mTORC1 complex, an evolutionarily conserved central nutrient sensor that stimulates anabolic reactions and macromolecule biosynthesis to promote cellular biomass generation and growth. Within the TSC-TBC complex, TSC2 acts as a GTPase-activating protein (GAP) for the small GTPase RHEB, a direct activator of the protein kinase activity of mTORC1. | | |