

**bsm-63265R****[ Primary Antibody ]**

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**phospho-Tuberin (T1462) Recombinant Rabbit mAb****DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 6F3**GeneID:** 7249**SWISS:** P49815**Target:** Tuberin (T1462)**Immunogen:** A synthesized peptide derived from human Tuberin around the phosphorylation site of T1462: PRGY-pT-ISD.**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.**Applications:** **WB** (1:1000-2000)**IHC-P** (1:100-200)**IHC-F** (1:100-200)**IF** (1:100-200)**Reactivity:** Human, Mouse**Predicted MW.:** 201 kDa**Subcellular Location:** Cell membrane ,Cytoplasm