

bsm-63173R**[Primary Antibody]****phospho-AMPK alpha 2 (S345) Recombinant Rabbit mAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-1:2000)
Clonality: Recombinant	CloneNo.: 5H1	Reactivity: Human, Mouse, Rat
GeneID: 5563	SWISS: P54646	
Target: phospho-AMPK alpha 2 (S345)		
Immunogen: A synthesized peptide derived from human AMPK alpha 2 around the phosphorylation site of S345: AS-pS-PP.		Predicted MW.: 62 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cytoplasm ,Nucleus
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.		

— SELECTED CITATIONS —

- **[IF=2.5]** Jiecai Li. et al. Exploring the impact of Gastrodin on brain aging in mice: Unraveling mechanisms through network pharmacology. BIOCHEM BIOPH RES CO. 2025 Jun;764:151814 IHC ;Mouse. 40250323