

bsm-63313R**[Primary Antibody]****phospho-MCM2 (S41) Recombinant Rabbit mAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-1:2000) IHC-P (1:100-1:200) IHC-F (1:100-1:200) IF (1:100-1:200) Reactivity: Human, Mouse, Rat Predicted MW.: 102 kDa Subcellular Location: Nucleus
Clonality: Recombinant	CloneNo.: 5G4	
GeneID: 4171	SWISS: P49736	
Target: phospho-MCM2 (S41)		
Immunogen: A synthesized peptide derived from human MCM2 around the phosphorylation site of S41: TS-pS-PG.		
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: Acts as a component of the MCM2-7 complex (MCM complex) which is the replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. Core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built.		