

bsm-63165R**[Primary Antibody]****phospho-SMAD2 (S250) Recombinant Rabbit mAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-2000) Flow-Cyt (1:50-100) Reactivity: Human, Mouse, Rat Predicted MW.: 52 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Recombinant	CloneNo.: 2G11	
GeneID: 4087	SWISS: Q15796	
Target: SMAD2 (S250)		
Immunogen: A synthesized peptide derived from human SMAD2 around the phosphorylation site of S250: EL-pS-PT.		
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: Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD2/SMAD4 complex, activates transcription. Promotes TGFB1-mediated transcription of odontoblastic differentiation genes in dental papilla cells (By similarity).		