

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

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 2G11**GeneID:** 4087**SWISS:** Q15796**Target:** phospho-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).**Applications:** WB (1:1000-1:2000)**Flow-Cyt** (1:20-1:100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 52 kDa**Subcellular Location:** Cytoplasm ,Nucleus