

bs-13890R**[Primary Antibody]****SMAD5 Rabbit pAb****BioSS**
ANTIBODIES

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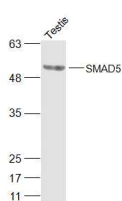
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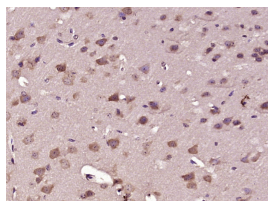
400-901-9800

— DATASHEET —

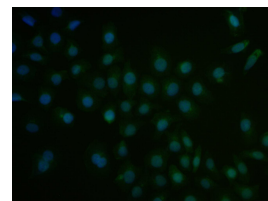
Host: Rabbit Clonality: Polyclonal GeneID: 4090 Target: SMAD5 Immunogen: KLH conjugated synthetic peptide derived from human SMAD5: 151-250/465. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]	Isotype: IgG SWISS: Q99717	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig) Predicted MW.: 51 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: Testis (Mouse) Lysate at 40 ug Primary:
 Anti-SMAD5 (bs-13890R) at 1/500 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 51 kD
 Observed band size: 51 kD



Paraformaldehyde-fixed, paraffin embedded
 (mouse brain tissue); Antigen retrieval by boiling
 in sodium citrate buffer (pH6.0) for 15min; Block
 endogenous peroxidase by 3% hydrogen
 peroxide for 20 minutes; Blocking buffer (normal
 goat serum) at 37°C for 30min; Antibody
 incubation with (SMAD5) Polyclonal Antibody,
 Unconjugated (bs-13890R) at 1:400 overnight at
 4°C, followed by operating according to SP
 Kit(Rabbit) (sp-0023) instructions and DAB
 staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton
 X-100 at room temperature for 20 min; Blocking
 buffer (normal goat serum, C-0005) at 37°C for 20
 min; Antibody incubation with (SMAD5)
 polyclonal Antibody, Unconjugated (bs-13890R)
 1:100, 90 minutes at 37°C; followed by a
 conjugated Goat Anti-Rabbit IgG antibody at
 37°C for 90 minutes, DAPI (blue, C02-04002) was
 used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=4.966]** Hui Luo. et al. miR - 130a promotes immature porcine Sertoli cell growth by activating SMAD5 through the TGF - β -PI3K/AKT signaling pathway. Faseb J. 2020 Nov;34(11):15164-15179 WB ;Pig. 32918760
- **[IF=2.784]** Yang et al. miR-1307-3p suppresses the chondrogenic differentiation of human adipose-derived stem cells by targeting BMP2. (2018) Int.J.Mol.Med. 42:3115-3124 WB ;. 30272255