bs-19918R **[Primary Antibody]**

phospho-SMAD5 (Ser463 + Ser465) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4090 **SWISS:** Q99717

Target: SMAD5 (Ser463 + Ser465)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human SMAD5 around the phosphorylation site of Ser463 + Ser465: IS(p-S)V(p-S).

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]

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig)

Predicted MW.: 52 kDa

Subcellular Location: Cytoplasm ,Nucleus

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 BMPR2. (2018) Int.J.Mol.Med. 42:3115-3124 WB ;. 30272255
- **[IF=2.082]** Baixiang Wang. et al. Osteogenic effects of antihypertensive drug benidipine on mouse MC3T3-E1 cells in vitro. J Zhejiang Univ-Sc B. 2021 May;22(5):410-420 WB ;Mouse. 33973422