bs-19918R

## [ Primary Antibody ]

## Bioss ANTIBODIES

## phospho-SMAD5 (Ser463 + Ser465) Rabbit pAb

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- 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 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=3.7] Xun Lu. et al. MicroRNA-93-5p alleviates uric acid-induced fibrosis in renal tubular epithelial cells by regulating the SMAD5/Id2 signaling pathway. CELL SIGNAL. 2025 Nov;135:112081 WB; Mouse. 40854508
- [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