[Primary Antibody]

phospho-Smad1/5 (Ser463 + Ser465) Rabbit pAb ANTIBODIE www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn

400-901-9800

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| | | | Applications: WD (1,500,2000) |
| | | sorphe: Igg | IHC-P (1:100-500) |
| Clonality: | Polyclonal | | IHC-F (1:100-500) |
| GenelD: | 4086 | SWISS: Q15797 | IF (1:100-500) |
| Target: | Smad1/5 (Ser463 + Ser465) | | Flow-Cyt (1µg/Test) |
| Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Smad1/5 around the phosphorylation site of Ser463/465: IS(p- S)V(p-S). | | Reactivity: Human, Mouse, Rat, Pig (predicted: Cow, Chicken, Dog, Horse) | |
| Purification: | affinity purified by Protein A | | |
| Concentration: | 1mg/ml | | Predicted MW.: 52 kDa |
| Storage: | 0.01M TBS (pH7.4) with 1% BSA Glycerol. Shipped at 4°C. Store at -20°C fo freeze/thaw cycles. | , 0.02% Proclin300 and 50% or one year. Avoid repeated | Subcellular Location: ^{Nucleus} |
| Background: | The protein encoded by this ge proteins similar to the gene pro 'mothers against decapentaple Sma. SMAD proteins are signal modulators that mediate multi mediates the signals of the bon which are involved in a range o growth, apoptosis, morphogen responses. In response to BMP phosphorylated and activated I phosphorylated form of this pro which is important for its functi This protein is a target for SMAI as SMURF1 and SMURF2, and u proteasome-mediated degrada variants encoding the same pro | ne belongs to the SMAD, a family of ducts of the Drosophila gene gic' (Mad) and the C. elegans gene transducers and transcriptional ple signaling pathways. This protein e morphogenetic proteins (BMPs), f biological activities including cell esis, development and immune ligands, this protein can be by the BMP receptor kinase. The otein forms a complex with SMAD4, on in the transcription regulation. 0-specific E3 ubiquitin ligases, such ndergoes ubiquitination and tion. Alternatively spliced transcript otein have been observed. [provided | |

– VALIDATION IMAGES

by RefSeq].



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Heart (Mouse) Lysate at 40 ug Lane 3: Testis (Mouse) Lysate at 40 ug Lane 4: Skin (Mouse) Lysate at 40 ug Lane 5: Kidney (Mouse) Lysate at 40 ug Lane 6: Cerebrum (Rat) Lysate at 40 ug Lane 7: Testis (Rat) Lysate at 40 ug Lane 8: Skin (Rat) Lysate at 40 ug Lane 9: Kidney (Rat) Lysate at 40 ug Lane 10: Huvec (Human) Cell Lysate at 30 ug Lane 11: A549 (Human) Cell Lysate at 30 ug Lane 12: Hela (Human) Cell Lysate at 30 ug Lane 13: HT1080 (Human) Cell Lysate at 30 ug Lane 14: A431 (Human) Cell Lysate at 30 ug Primary: Anti-Phospho-Smad3 (Ser463 + Ser465) (bs-3418R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 54 kD



Cerebrum (Mouse) Lysate at 40 ug Stomach (Mouse) Lysate at 40 ug Primary: Anti-Phospho-Smad1/5 (Ser463 + Ser465) (bs-3418R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 62 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (Phospho-Smad1-5 (Ser463+ Ser465)) Polyclonal Antibody, Unconjugated (bs-3418R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Phospho-Smad1 5 (Ser463 + Ser465)) Polyclonal Antibody, Unconjugated (bs-3418R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

- SELECTED CITATIONS -

- [IF=4.2] Zhang Quan-Bing. et al. Role of hypoxia-mediated pyroptosis in the development of extending knee joint contracture in rats. EUR J MED RES. 2024 Dec;29(1):1-12 WB ;Rat. 38802976
- [IF=3.8] Xing Fuao. et al. BMP2 expression in oral squamous cell carcinoma and its effects on SCC9 cell biological behavior. SCI REP-UK. 2025 Apr;15(1):1-12 WB ;Human. 40185978
- [IF=3.266] Guo LP et al. Smad signaling coincides with epithelial-mesenchymal transition in a rat model of intrauterine adhesion. Am J Transl Res. 2019 Aug 15;11(8):4726-4737. eCollection 2019. IHC ;Rat. 31497194
- [IF=2.7] Junfeng He. et al. Effect of the TGF-β/BMP Signaling Pathway on the Proliferation of Yak Pulmonary Artery Smooth Muscle Cells under Hypoxic Conditions. ANIMALS. 2024 Jan;14(14):2072 WB ;Bovine. 39061534
- [IF=2.9] Zhen Liu. et al. Enhanced bacteriostasis and osseointegrative properties of SiRNA-modified polyetheretherketone surface for implant applications. PLOS ONE. 2024 Dec;19(12):e0314091 WB ;Rat. 39636795