

**bs-23329R****[ Primary Antibody ]****SMAD6 Rabbit pAb****BioSS**  
**ANTIBODIES**

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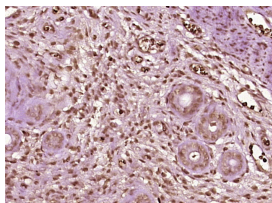
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**— DATASHEET —**

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------|
| <b>Host:</b> Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Isotype:</b> IgG  | <b>Applications:</b> IHC-P (1:100-500)                                                         |
| <b>Clonality:</b> Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      | <b>IHC-F</b> (1:100-500)                                                                       |
| <b>GeneID:</b> 4091                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>SWISS:</b> O43541 | <b>IF</b> (1:100-500)                                                                          |
| <b>Target:</b> SMAD6                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      | <b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse) |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SMAD6: 351-450/469.                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                                                                                                |
| <b>Purification:</b> affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | <b>Predicted MW.:</b> 54 kDa                                                                   |
| <b>Concentration:</b> 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      | <b>Subcellular Location:</b> Nucleus                                                           |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                      |                      |                                                                                                |
| <b>Background:</b> The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants have been found for this gene.[provided by RefSeq, Sep 2014] |                      |                                                                                                |

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse uterus 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 (SMAD6) Polyclonal Antibody, Unconjugated (bs-23329R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=8.886]** Jianbo Feng. et al. LRRC4 mediates the formation of circular RNA CD44 to inhibit GBM cell proliferation. Mol Ther-Nucl Acids. 2021 Aug;; WB ;Human. 10.1016/j.omtn.2021.08.026
- **[IF=8.7]** Yu Han. et al. High-precision bioactive scaffold with dECM and extracellular vesicles targeting 4E-BP inhibition for cartilage injury repair. MATER TODAY BIO. 2024 Aug;27:101114 WB ;Rat. 10.1016/j.mtbio.2024.101114
- **[IF=0.6]** HongYu Wang. et al. The promotive role of reticulocalbin 3 (RCN3) in the pathogenesis of keloid via TGFβ1/Smad2/Smad7 signaling pathway in vitro. TURK J BIOCHEM. 2024 Dec;; WB ;Human. 10.1515/tjb-2024-0093

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