### bs-1544R

- DATASHEET -

## [ Primary Antibody ]

Isotype: IgG

# Shh Rabbit pAb

Host: Rabbit

Clonality: Polyclonal



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

Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Chicken, Horse)

Predicted MW.: <sup>19/47 kDa</sup>

Subcellular Secreted ,Extracellular Location: matrix ,Cell membrane

GenelD:	6469	<b>SWISS:</b> Q15465
Target:	Shh	
Immunogen:	KLH conjugated synthetic pepti 21-120/462.	de derived from human Shh:
Purification:	affinity purified by Protein A	
Concentration:	1mg/ml	
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
Background:	SHH binds to the patched (PTC) association with smoothened ( of target genes. In the absence constitutive signaling activity o	receptor, which functions in SMO), to activate the transcription of SHH, PTC represses the f SMO. Also regulates another

of target genes. In the absence of SHH, PTC represses the constitutive signaling activity of SMO. Also regulates another target, the gli oncogene. Intercellular signal essential for a variety of patterning events during development: signal produced by the notochord that induces ventral cell fate in the neural tube and somites, and the polarizing signal for patterning of the anteriorposterior axis of the developing limb bud. Displays both floor plate- and motor neuron-inducing activity. The threshold concentration of N-product required for motor neuron induction is 5-fold lower than that required for floor plate induction (By similarity).

#### - VALIDATION IMAGES -



Sample:Stomach (Mouse) Lysate at 40 ug Primary: Anti-Shh(bs-1544R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19/47kD Observed band size: 49 kD ыр 190— 300— 75— 90— — — — Энн 37— 25— 20— 30—

Sample: Embryo(Mouse) tissue at 30ug; Primary: Anti-Shh (bs-1544R) at 1:300 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 5000 dilution; Predicted band size : 19/47kD Observed band size : 50kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (Shh) Polyclonal Antibody, Unconjugated (bs-1544R) 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 stomach); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Shh) Polyclonal Antibody, Unconjugated (bs-1544R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

### - SELECTED CITATIONS -

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- [IF=5.682] Qi, Yan. et al. Neuroprotective Effect of Sonic Hedgehog Mediated PI3K/AKT Pathway in Amyotrophic Lateral Sclerosis Model Mice. MOL NEUROBIOL. 2022 Sep;:1-12 WB ;MOUSE. 36056982
- [IF=4.7] Lili Lu. et al.Hypoxia-inducible factor-1 alpha (HIF-1α) inhibitor AMSP-30 m attenuates CCl<sub>4</sub>-induced liver fibrosis in mice by inhibiting the sonic hedgehog pathway..CHEMICO-BIOLOGICAL INTERACTIONS.2025 Mar 18:413:111480. Western blot ;Mouse. 40113123
- [IF=4.56] Wang, H., et al. "Baicalin Attenuates Alcoholic Liver Injury through Modulation of Hepatic Oxidative Stress, Inflammation and Sonic Hedgehog Pathway in Rats." Cellular Physiology and Biochemistry 39.3 (2016): 1129-1140. WB ;="Rat". 27576501