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## IHH Rabbit pAb

Catalog Number: bs-6624R

Target Protein: IHH

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Reactivity: Rat (predicted:Human, Mouse, Rabbit, Pig, Dog, Horse)

Predicted MW: 45 kDa

Entrez Gene: 3549

Swiss Prot: Q14623

Source: KLH conjugated synthetic peptide derived from human IHH: 161-260/411.

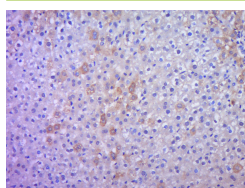
Purification: affinity purified by Protein A

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:** Ihh is an intercellular signalling peptide essential for a variety of patterning events during development. It binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. Ihh induces the expression of parathyroid hormone-related protein (PTHrP) and is implicated in endochondral ossification, possibly regulating the balance between growth and ossification of the developing bones.

### VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat liver); 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 (IHH) Polyclonal Antibody, Unconjugated (bs-6624R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

### PRODUCT SPECIFIC PUBLICATIONS

**[IF=2.728]** Xijuan Liu et al. Chondrocyte suppression is mediated by miR - 129 - 5p via GDF11/SMAD3 signaling in developmental dysplasia of the hip. J Orthop Res. 2020 Dec;38(12):2559-2572. WB ; Rabbit . 32396235

**[IF=3.098]** Xianda Cheet al. MicroRNA-1 regulates the development of osteoarthritis in a Col2a1-Cre-ERT2/GFPfl/fl-RFP-miR-1 Mousemodel of osteoarthritis through the downregulation of Indian hedgehog expression. Int J Mol Med . 2020 Jul;46(1):360-370. IHC ; mouse . 32626917