

bs-12316R**[Primary Antibody]**

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HHIP Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 64399	SWISS: Q96QV1	
Target: HHIP		
Immunogen: KLH conjugated synthetic peptide derived from human HHIP: 501-600/700.		
Purification: affinity purified by Protein A		Reactivity: (predicted: Human, Mouse, Rat, Sheep, Cow, Chicken, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 77 kDa
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.		Subcellular Location: Secreted ,Cell membrane
Background: Hedgehog (Hh) signaling proteins are critical for growth and tissue patterning during development. Patched (Ptc), a putative 12 transmembrane receptor, binds to Sonic hedgehog and is suspected to be a negative regulator of Hh signaling. A family member of patched, designated patched 2, has been found to be co-expressed with Sonic hedgehog. Smoothened (Smo), a seven transmembrane receptor, is complexed with patched in many tissues and is believed to be an essential component in the Hh signaling pathway. Hhip (hedgehog-interacting protein) is able to bind to and may be a transcriptional target of all Hh proteins. Binding of Hhip to Hh proteins attenuates hedgehog signaling.		

— SELECTED CITATIONS —

- **[IF=16.6]** Leung Adrian On Wah. et al. Suppression of apoptosis impairs phalangeal joint formation in the pathogenesis of brachydactyly type A1. NAT COMMUN. 2024 Mar;15(1):1-19 IF ;Mouse. 38472182