

bs-1614R**[Primary Antibody]**

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Patched Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Cow, Chicken, Horse) Predicted MW.: 161 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 5727	SWISS: Q13635	
Target: Patched		
Immunogen: KLH conjugated synthetic peptide derived from human Patched/PTCH: 581-680/1447.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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: PTCH (Patched protein homolog 1) is a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog (DHH). PTCH associates with the smoothened protein (SMO) to transduce the hedgehog's proteins signal. PTCH has a tumor suppressor function, as inactivation of this protein is probably a necessary, if not sufficient step for tumorigenesis. PTCH is expressed in the adult brain, lung, liver, heart, placenta, skeletal muscle, pancreas and kidney. It is also expressed in tumor cells but not in normal skin. During development PTCH is found in all major target tissues of sonic hedgehog, such as the ventral neural tube, somites, and tissues surrounding the zone of polarizing activity of the limb bud. Defects in PTCH are probably the cause of basal cell nevus syndrome also known as Gorlin syndrome or Gorlin-Goltz syndrome.		

— SELECTED CITATIONS —

- **[IF=6.244]** Cai Y. et al. Study on the Mechanism of Sancao Tiaowei Decoction in the Treatment of MNNG-Induced Precancerous Lesions of Gastric Carcinoma Through Hedgehog Signaling Pathway.. FRONT ONCOL. 2022 May;12:841553-841553 IHC ;Rat. 35646631
- **[IF=5.1]** Luo Yan. et al. Ablated Sonic Hedgehog Signaling in the Dentate Gyrus of the Dorsal and Ventral Hippocampus Impairs Hippocampal-Dependent Memory Tasks and Emotion in a Rat Model of Depression. MOL NEUROBIOL. 2023 Dec;:1-17 WB ;Rat. 38087166
- **[IF=2.47]** Ma, Tao-tao, et al. "Geniposide alleviates inflammation by suppressing MeCP2 in mice with carbon tetrachloride-induced acute liver injury and LPS-treated THP-1 cells." International Immunopharmacology (2015). WB ;="Human". 26371859