bs-23988R **[Primary Antibody]**

SMO Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6608 **SWISS:** Q99835

Target: SMO

Immunogen: KLH conjugated synthetic peptide derived from human SMO: 151-250/787.

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: The protein encoded by this gene is a G protein-coupled receptor that interacts with the patched protein, a receptor for hedgehog proteins. The encoded protein tranduces signals to other proteins after activation by a hedgehog protein/patched protein complex. [provided by RefSeq, Jul 2010] Function : G protein-coupled receptor that probably associates with the patched protein (PTCH) to transduce the hedgehog's proteins signal. Binding of sonic hedgehog (SHH) to its receptor patched is thought to prevent normal inhibition by patched of smoothened (SMO). Required for the accumulation of KIF7 and GLI3 in the cilia.

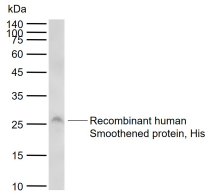
Applications: **WB** (1:500-2000)

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

Predicted MW.: 84 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Recombinant human Smoothened protein, His lysates Primary: Anti-Smoothened (bs-23988R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84 kDa Observed band size: 28 kDa

SELECTED CITATIONS

- **[IF=4.7]** Lili Lu. et al.Hypoxia-inducible factor-1 alpha (HIF-1α) inhibitor AMSP-30 m attenuates CCl_4-induced liver fibrosis in mice by inhibiting the sonic hedgehog pathway..CHEMICO-BIOLOGICAL INTERACTIONS.2025 Mar 18:413:111480.
  Western blot ;Mouse. 40113123