

bs-11216R**[Primary Antibody]****BioSS**
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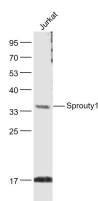
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Sprouty1 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 10252 Target: Sprouty1 Immunogen: KLH conjugated synthetic peptide derived from human Sprouty1: 221-319/319. 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: Members of the Sprouty family (Sprouty 1-4) are inducible negative regulators of growth factors that act through tyrosine kinase receptors. Mammalian Sprouty homologs share a well-conserved cysteine-rich C-terminal domain with their Drosophila counterparts. Both Sprouty 1 and 2 are anchored to membranes by palmitoylation, associate with caveolin-1 in perinuclear and vesicular structures and are phosphorylated on Serine residues. Upon stimulation, a subset is recruited to the leading edge of the plasma membrane. Sprouty 2 can associate with c-Cbl, a down regulator of RTK signaling, and inhibits the activities of several growth factors. Sprouty 2 also functions as a negative regulator of embryonic lung morphogenesis and growth. The well-conserved C-terminus of Sprouty contains two domains which are necessary for Sprouty 2 co-localization with microtubules and translocation to membrane ruffles. In addition, the C-terminus is required for the inhibition of cell migration and proliferation. In conclusion, members of Sprouty inhibit FGF and VEGF-mediated cell proliferation, suggesting that they may regulate angiogenesis in normal and disease processes.	Isotype: IgG SWISS: O43609 Applications: WB (1:500-2000) Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 35 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Jurkat (Human) Lysate at 40 ug Primary:
 Anti- TBX1 (bs-11216R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 35 kD
 Observed band size: 35 kD

— SELECTED CITATIONS —

- **[IF=7.051]** Shi Tiezhu. et al. Increased SPRY1 expression activates NF-κB signaling and promotes pancreatic cancer progression by recruiting neutrophils and macrophages through CXCL12-CXCR4 axis. CELL ONCOL. 2023 Apr;1-17 IHC ;Mouse. 37014552
- **[IF=4.6]** Xingyu Fang. et al. Possible involvement of a MEG3-miR-21-SPRY1-NF-κB feedback loop in spermatogenic cells

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

proliferation, autophagy and apoptosis. ISCIENCE. 2024 九月 09 WB ;Human. 39398251

- **[IF=2.3]** Bo Qiu. et al. Association between SPRY1 and TET3 in skin photoaging and natural aging mechanisms. J COSMET DERMATOL-US. 2023 Dec;; WB ;Human. 38054565