

**bs-0113R****[ Primary Antibody ]****SOCS1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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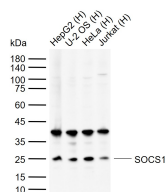
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 8651 <b>Target:</b> SOCS1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Socs 1: 121-211/211. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity (By similarity). Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor(LIF). Regulates interferon-gamma mediated sensory neuron survival. Implicated, through SOCS box binding, in ubiquitin-dependent protein degradation. High expression in thymus. Lower expression in lung and spleen.	<b>Isotype:</b> IgG <b>SWISS:</b> O15524	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000) <b>Reactivity:</b> Human (predicted: Mouse, Rat) <b>Predicted MW.:</b> 23 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Sample: Lane 1: Human HepG2 cell lysates Lane 2: Human U-2 OS cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human Jurkat cell lysates  
 Primary: Anti-SOCS1 (bs-0113R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kDa Observed band size: 25 kDa

**— SELECTED CITATIONS —**

- **[IF=8.786]** Xiangnan Hao. et al. LNA-anti-miR-150 alleviates renal interstitial fibrosis by reducing pro-inflammatory M1/M2 macrophage polarization. FRONT IMMUNOL. 2022; 13: 913007 IHC ;Mouse. 35990680