### bs-20151R

## [ Primary Antibody ]

# SOCS7 Rabbit pAb



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— DATASHEET ————		400-901-9800
Host: Rabbit	lsotype: lgG	Applications: WB (1:500-2000)
<b>Clonality:</b> Polyclonal	C C	<b>IHC-P</b> (1:100-500)
GenelD: 30837	SWISS: 014512	<b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
Target: SOCS7		
Immunogen: KLH conjugated syr 171-270/581.	thetic peptide derived from human SOCS7:	(predicted: Rabbit)
Purification: affinity purified by F	Protein A	
Concentration: 1mg/ml		Predicted MW.: <sup>63 kDa</sup>
Storage: Preservative: 0.02% pH7.4. Shipped at 4°C. Sto freeze/thaw cycles.	Proclin300, Constituents: 1% BSA, 0.01M PBS, re at -20°C for one year. Avoid repeated	Subcellular Cell membrane ,Cytoplasm Location:
Background: The eight members Cytokines Signaling SOCS4, SOCS5, SOC proteins are compo and amino acid com terminal motif calle form part of a classi cytokine signal tran genes occurs rapidl and once produced appear to inhibit sig interact with the ins hepatoma cells (He human IR. SOCS1 ai of ERK1/2 and prote phosphorylation of proteins may be inh cytokine-induced ir pathogenesis of typ ubiquitously in mur growth retarded.	of the recently identified Suppressor of (SOCS) family are SOCS1, SOCS2, SOCS3, S6, SOCS7, and CIS. Structurally the SOCS sed of an N- terminal region of variable length position, a central SH2 domain, and a C- d the SOCS box. The SOCS proteins appear to cal negative feedback loop that regulates sduction. Transcription of each of the SOCS y in vitro and in vivo in response to cytokines, the various members of the SOCS family maling in different ways. SOCS1 and SOCS6 with receptor (IR) when expressed in human boG2) or in rat hepatoma cells overexpressing and SOCS6 inhibit insulin-dependent activation bin kinase B in vivo and IR- directed IRS1 in vitro. These results suggest that SOCS ibitors of IR signalling and could mediate sulin resistance and contribute to the e II diabetes. SOCS6 knockout mice are	

#### - VALIDATION IMAGES



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Cerebellum (Mouse) Lysate at 40 ug Lane 4: Stomach (Mouse) Lysate at 40 ug Lane 4: Stomach (Mouse) Lysate at 40 ug Lane 5: Placenta (Mouse) Lysate at 40 ug Lane 6: Cerebrum (Rat) Lysate at 40 ug Lane 7: Cerebellum (Rat) Lysate at 40 ug Lane 8: Testis (Rat) Lysate at 40 ug Lane 9: HepG2 (Human) Cell Lysate at 30 ug Lane 10: Hela (Human) Cell Lysate at 30 ug Lane 11: MCF-7 (Human) Cell Lysate at 30 ug Lane 12: HL60 (Human) Cell Lysate at 30 ug Lane 13: Molt-4 (Human) Cell Lysate at 30 ug Primary: Anti-SOCS7 (bs-20151R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted



Tissue/cell: Mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-SOCS7 Polyclonal Antibody, Unconjugated(bs-20151R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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• [IF=11.161] Du, Yanhua. et al. SOCS7/HuR/FOXM1 signaling axis inhibited high-grade serous ovarian carcinoma progression. J EXP CLIN CANC RES. 2022 Dec;41(1):1-16 IHC ;Human. 35624501