

## SOCS7 Polyclonal Antibody

Catalog: BS65853

Host: Rabbit

Reactivity: Human, Mouse, Rat, Rabbit,

### Background:

The eight members of the recently identified Suppressor of Cytokines Signaling (SOCS) family are SOCS1, SOCS2, SOCS3, SOCS4, SOCS5, SOCS6, SOCS7, and CIS. Structurally the SOCS proteins are composed of an N-terminal region of variable length and amino acid composition, a central SH2 domain, and a C-terminal motif called the SOCS box. The SOCS proteins appear to form part of a classical negative feedback loop that regulates cytokine signal transduction. Transcription of each of the SOCS genes occurs rapidly in vitro and in vivo in response to cytokines, and once produced, the various members of the SOCS family appear to inhibit signaling in different ways. SOCS1 and SOCS6 interact with the insulin receptor (IR) when expressed in human hepatoma cells (HepG2) or in rat hepatoma cells overexpressing human IR. SOCS1 and SOCS6 inhibit insulin-dependent activation of ERK1/2 and protein kinase B in vivo and IR-directed phosphorylation of IRS1 in vitro. These results suggest that SOCS proteins may be inhibitors of IR signalling and could mediate cytokine-induced insulin resistance and contribute to the pathogenesis of type II diabetes. SOCS6 and SOCS7 are expressed ubiquitously in murine tissues and SOCS6 knockout mice are growth retarded.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~60kDa

### Swiss-Prot:

O14512

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB=1:500-2000

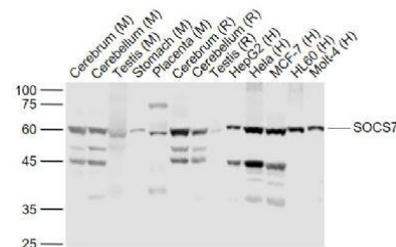
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -26 °C long term. Avoid freeze-thaw cycles.

### Specificity:

SOCS7 Polyclonal Antibody detects endogenous levels of SOCS7 protein.

### DATA:



Anti-SOCS7 at 1/1000 dilution

### Note:

For research use only, not for use in diagnostic procedure.

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