**BACKGROUND**

The SOCS (suppressor of cytokine signaling) gene family consists of a group of proteins that negatively regulate cytokine signal transduction. The SOCS family proteins contain a central SH2 domain and a carboxy-terminal region termed the “SOCS box.” The SOCS-1 (also called SSI-1 and JAB), SOCS-2 (also called SSI-2 and CIS2) and SOCS-3 (also called SSI-3 and CIS3) genes are known to be upregulated by IL-6 and other cytokines. SOCS-4, SOCS-5, SOCS-6 and SOCS-7 were identified by their sequence homology with the SOCS box. CIS (for cytokine-inducible SH2-containing protein) is also a member of the SOCS family.

**CHROMOSOMAL LOCATION**

Genetic locus: SOCS1 (human) mapping to 16p13.13; Socs1 (mouse) mapping to 16q13.13.

**SOURCE**

SOCS-1 (C-20)-R is an affinity purified rabbit polyclonal antibody raised against a peptide mapping C-terminus (h) of SOCS-1 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-7005-R P (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**APPLICATIONS**

SOCS-1 (C-20)-R is recommended for detection of SOCS-1 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:300).

SOCS-1 (C-20)-R is also recommended for detection of SOCS-1 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for SOCS-1 siRNA (h): sc-40996, SOCS-1 siRNA (m): sc-40997, SOCS-1 shRNA Plasmid (h): sc-40996-SH, SOCS-1 shRNA Plasmid (m): sc-40997-SH, SOCS-1 shRNA (h) Lentiviral Particles: sc-40998-V and SOCS-1 shRNA (m) Lentiviral Particles: sc-40997-V.

Molecular Weight of SOCS-1: 24 kDa.

Positive Controls: mouse spleen extract: sc-2391 or A549 cell lysate: sc-2413.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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