
Anti-SOCS-1

Cat #: HM1337
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The SOCS (suppressor of cytokine signaling) gene family consists of a group of proteins that negatively regulate cytokine signal transduction. They include at least eight members: SOCS-1 (also called SSI-1 and JAB), SOCS-2 (also called SSI-2 and CIS2), SOCS-3 (also called SSI-3 and CIS3), SOCS-4, SOCS-5, SOCS-6, SOCS-7 and CIS (for cytokine-inducible SH2-containing protein). The SOCS family proteins contain a central SH2 domain and a carboxy-terminal region termed the "SOCS box." SOCS family members are cytokine-inducible negative regulators of cytokine signaling. SOCS-1 functions downstream of cytokine receptors, and takes part in a negative feedback loop to attenuate cytokine signaling. Knockout studies in mice suggested the role of SOCS-1 as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival.

SPECIFICITY

This antibody specifically reacts with SOCS-1 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry; non crossreactive with SOCS-2, SOCS-3 or CIS.

IMMUNOGEN

A peptide at the carboxy terminus of human SOCS-1.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

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