

SOCS3

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 25kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human SOCS3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bo

Synonym:

SOCS3; ATOD4; CIS3; Cish3; MGC71791; SOCS-3; SSI-3; SSI3 ;

Catalog #: A0694

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 9021

Isotype: IgG

Swiss Prot: O14543

Purity: Affinity purification

For research use only.

Background:

the SOCS box. These proteins are important regulators of cytokine signaling, proliferation, differentiation, and immune responses. Low levels of SOCS3 are observed in lung, spleen and thymus, and like other SOCS family members levels its expression is rapidly induced by a number of factors including interleukins, EPO, IFN-, CSF and TNF- (4). SOCS3 uses its SH2 domain to bind activated Jaks and their cognate receptors to provide negative feedback inhibition. In addition to the initially described inducers of SOCS3 expression, subsequent studies have described SOCS3-mediated negative feedback inhibition for leptin (5), GH (6), chemokine receptors (7), insulin (8) and certain pathogens (9,10). SOCS3 deletion results in embryonic lethality with placental insufficiency (11). SOCS3 signaling has been linked pathologically to allergic responses (12), inflammatory disease (13), endotoxic shock (14), wound repair (15), and obesity (16,17).

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