

SOCS3 Rabbit pAb

Catalog No.: A0694 **2 Publications**

Basic Information

Catalog No.

A0694

Observed MW

30kDa

Calculated MW

24kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF	1:50 - 1:100

Contact

 | www.abclonal.com

Background

This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development.

Immunogen Information

Gene ID	Swiss Prot
9021	O14543

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100 to the C-terminus of human SOCS3 (NP_003946.3).

Synonyms

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

Product Information

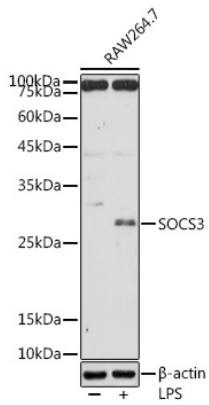
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

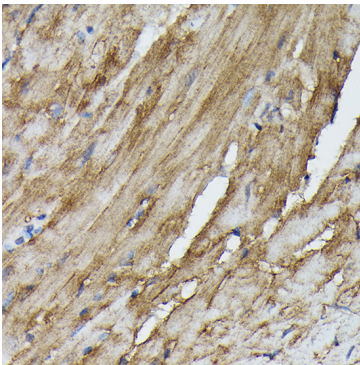
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

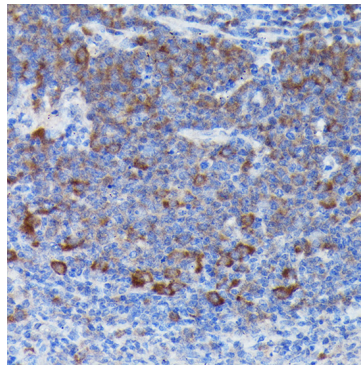
Validation Data



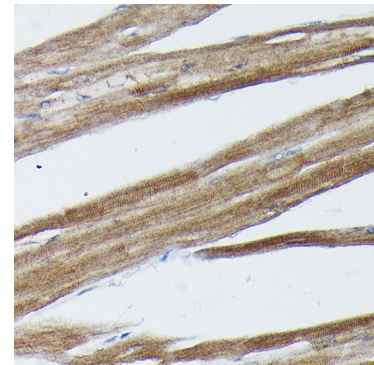
Western blot analysis of extracts of RAW264.7 cells, using SOCS3 antibody (A0694) at 1:500 dilution. Raw264.7 cells were treated by LPS (1 $\mu\text{g}/\text{ml}$) at 37°C for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry of paraffin-embedded mouse heart using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens).