SOCS3 Rabbit pAb

Catalog No.: A0694

10 Publications

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Basic Information

Observed MW
30 kDa

Calculated MW
25 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
9021

Swiss-Prot
O14543

Immunogen
This information is considered to be commercially sensitive.

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

Contact

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Product Information

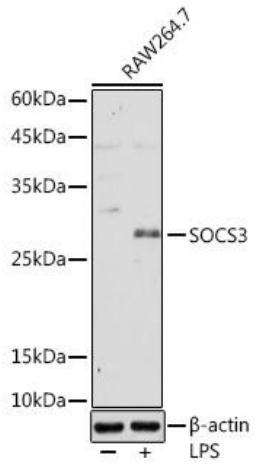
Source
Rabbit

Isotype
IgG

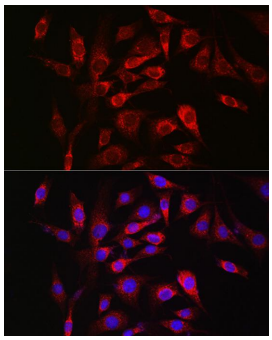
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

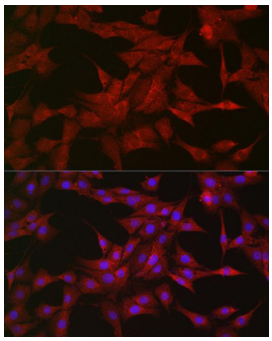
Validation Data



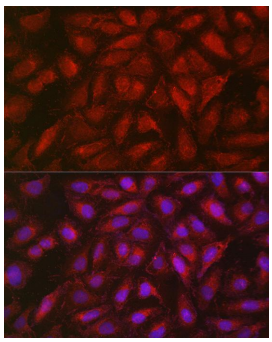
Western blot analysis of lysates from RAW264.7 cells using SOCS3 Rabbit pAb (A0694) at 1:500 dilution incubated overnight at 4℃. Raw264. 7 cells were treated with LPS (1 μg/mL) at 37℃ for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180 s.



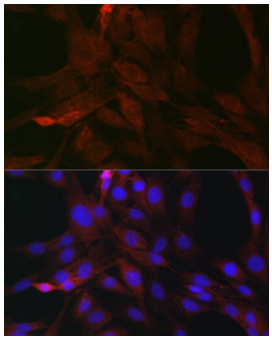
Immunofluorescence analysis of NIH/3T3 cells using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



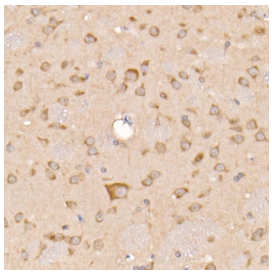
Immunofluorescence analysis of PC-12 cells using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



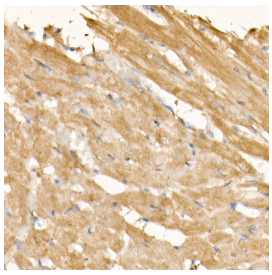
Immunofluorescence analysis of U2OS cells using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



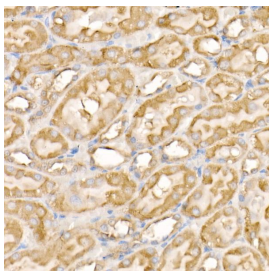
Immunofluorescence analysis of C6 cells using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using SOCS3 Rabbit pAb (A0694) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.