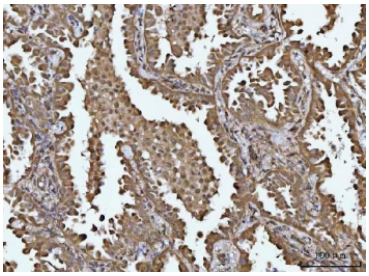
TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody (RQ7255)

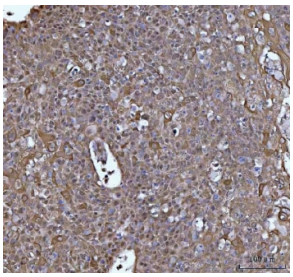
Catalog No.	Formulation	Size
RQ7255	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

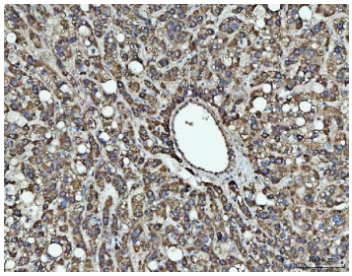
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O15524
Localization	Nucleus, cytoplasmic vesicles
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody is available for research use only.



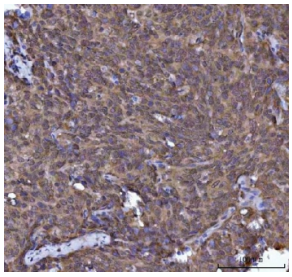
TIP3 Antibody Human Lung Cancer IHC. Immunohistochemistry staining of FFPE human lung cancer tissue with TIP3 Antibody. HIER was performed using pH 8 EDTA buffer, followed by incubation with TIP3 antibody and HRP-conjugated secondary antibody with DAB chromogen detection. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody demonstrates cytoplasmic staining in tumor cells and supports studies of SOCS1 expression, cytokine signaling regulation, JAK STAT pathway feedback control and inflammation-associated cancer signaling pathways.



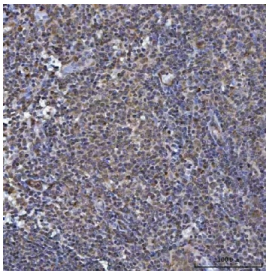
TIP3 Antibody Human Esophageal Cancer IHC. Immunohistochemistry staining of FFPE human esophageal squamous carcinoma tissue with TIP3 Antibody. HIER was performed using pH 8 EDTA buffer, followed by incubation with TIP3 antibody and HRP-conjugated secondary antibody with DAB chromogen detection. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody demonstrates cytoplasmic staining in tumor cells and supports studies of SOCS1 expression, cytokine pathway regulation, JAK STAT signaling feedback control and inflammation-associated cancer biology.



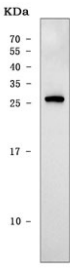
TIP3 Antibody Human Liver Cancer IHC. Immunohistochemistry staining of FFPE human liver cancer tissue with TIP3 Antibody. HIER was performed using pH 8 EDTA buffer, followed by incubation with TIP3 antibody and HRP-conjugated secondary antibody with DAB chromogen detection. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody demonstrates cytoplasmic staining in liver tumor cells and supports studies of SOCS1 expression, cytokine signaling regulation, JAK STAT pathway feedback control and inflammation-associated cancer pathways.



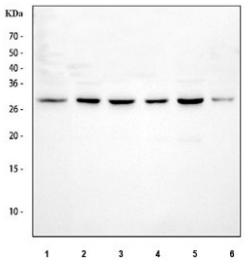
TIP3 Antibody Human Cervical Cancer IHC. Immunohistochemistry staining of FFPE human cervical cancer tissue with TIP3 Antibody. HIER was performed using pH 8 EDTA buffer, followed by incubation with TIP3 antibody and HRP-conjugated secondary antibody with DAB chromogen detection. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody demonstrates cytoplasmic staining in cervical tumor cells and supports studies of SOCS1 expression, cytokine signaling regulation, JAK STAT pathway feedback control and inflammation-associated cancer research pathways.



TIP3 Antibody Human Tonsil IHC. Immunohistochemistry staining of FFPE human tonsil tissue with TIP3 Antibody. HIER was performed using pH 8 EDTA buffer, followed by incubation with TIP3 antibody and HRP-conjugated secondary antibody with DAB chromogen detection. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody demonstrates cytoplasmic staining in lymphoid cells and supports studies of SOCS1 expression, cytokine signaling regulation, JAK STAT pathway feedback control and immune response pathways.



TIP3 Antibody Human K562 Cell WB. Western blot testing of human K562 cell lysate with TIP3 Antibody. A specific band was detected at approximately 24 kDa, consistent with the predicted molecular weight of SOCS1/TIP3. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody supports detection of SOCS1 expression and studies of cytokine signaling regulation, JAK STAT pathway feedback control, immune cell signaling and inflammatory response pathways.



TIP3 Antibody Multi-Species Immune Cell WB. Western blot testing of rat spleen, rat PC-12, mouse spleen, mouse RAW264.7, mouse Ana-1 and mouse EL-4 cell lysates with TIP3 Antibody. Lane 1: rat spleen; Lane 2: rat PC-12; Lane 3: mouse spleen; Lane 4: mouse RAW264.7; Lane 5: mouse Ana-1; Lane 6: mouse EL-4. A specific band was detected at approximately 24 kDa, consistent with the predicted molecular weight of SOCS1/TIP3. TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody supports studies of SOCS1 expression, cytokine signaling regulation, JAK STAT pathway feedback control and immune response pathways.

Description

TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody detects the protein encoded by the SOCS1 gene, a member of the suppressor of cytokine signaling family involved in regulation of cytokine receptor pathways. Originally described as TIP3 (Tec-interacting protein 3), this protein functions as an intracellular inhibitor that helps control signaling responses activated by cytokines and immune mediators. SOCS1 regulates signaling intensity by participating in feedback mechanisms that limit prolonged activation of JAK STAT pathways.

Suppressor of cytokine signaling 1 contains an SH2 domain that supports interaction with signaling proteins and a SOCS box region involved in regulatory protein complexes. After cytokine stimulation, SOCS1 expression increases to help maintain appropriate pathway balance and cellular responses. TIP3 Antibody allows researchers to study expression of this cytokine signaling inhibitor in immune regulation, inflammation and cell signaling models.

The JAK STAT pathway controls many biological responses, including immune cell activation, differentiation and communication between cells. Suppressor of cytokine signaling 1 has been studied for its role in pathways activated by interferons, interleukins and other cytokine families. Changes in SOCS1 expression are investigated in research related to immune signaling, inflammatory responses and cancer-associated regulatory mechanisms.

As a negative regulator of cytokine signaling, TIP3/SOCS1 provides insight into how cells control activation signals and prevent excessive pathway stimulation. Understanding SOCS1 function helps researchers investigate signaling networks that coordinate immune responses, cellular growth and inflammatory regulation.

TIP3 Antibody applications include detection of suppressor of cytokine signaling 1 expression and localization using techniques such as Western blot, immunohistochemistry, immunofluorescence, flow cytometry and related protein analysis methods. NSJ Bioreagents provides TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody for researchers studying cytokine regulation, JAK STAT signaling, immune response pathways and cellular signaling mechanisms.

TIP3 Antibody detects a cytokine signaling inhibitor involved in immune pathway regulation and JAK STAT feedback control; additional cytokine signaling research tools are available on our SOCS1 Antibody / Cytokine Signaling Regulator Antibody page.

Application Notes

Optimal dilution of the TIP3 Antibody / Suppressor of Cytokine Signaling 1 Antibody should be determined by the researcher.

Immunogen

Amino acids FLVRDSRQRNCFFALSVKMA were used as the immunogen for the TIP3 antibody.

Storage

After reconstitution, the TIP3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

SOCS1 Antibody, JAB Antibody, SSI1 Antibody, STAT Induced STAT Inhibitor 1 Antibody, Cytokine Inducible SH2 Protein Antibody, JAK Binding Protein Antibody

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