

Product datasheet for **TA321593**

SOCS1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: HT-29 and 231 cells IHC: 100-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 199-211 amino acids of Human suppressor of cytokine signaling 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	suppressor of cytokine signaling 1
Database Link:	NP_003736 Entrez Gene 12703 Mouse Entrez Gene 252971 Rat Entrez Gene 8651 Human O15524



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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 can be induced by a subset of cytokines, including IL2, IL3 erythropoietin (EPO), CSF2/GM-CSF, and interferon (IFN)-gamma. The protein encoded by this gene 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 this gene as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival.

Synonyms:

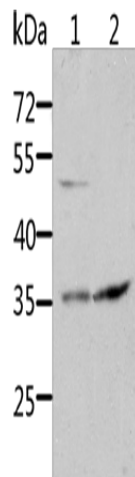
CIS1; CISH1; JAB; SOCS-1; SSI-1; SSI1; TIP3

Protein Families:

Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway

Protein Pathways:

Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus, Ubiquitin mediated proteolysis

Product images:

Gel: 10%SDS-PAGE

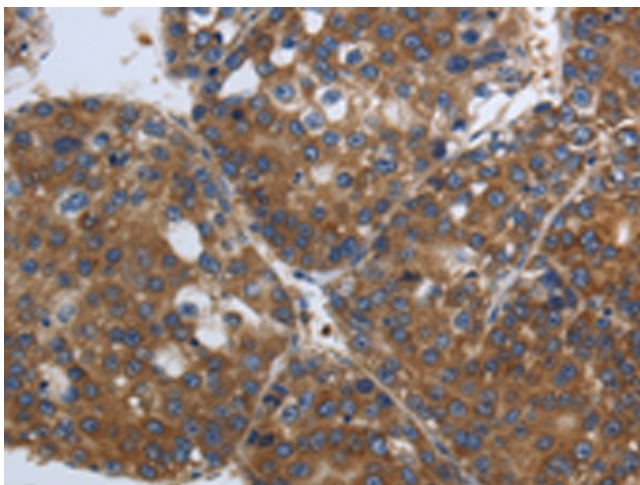
Lysate: 40 µg

Lane 1-2: HT29 cells
231 cells

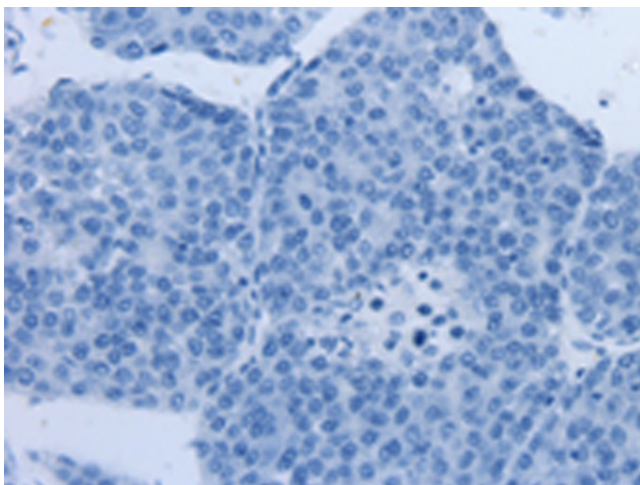
Primary antibody: TA321593 (SOCS1 Antibody) at
dilution 1/1700

Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

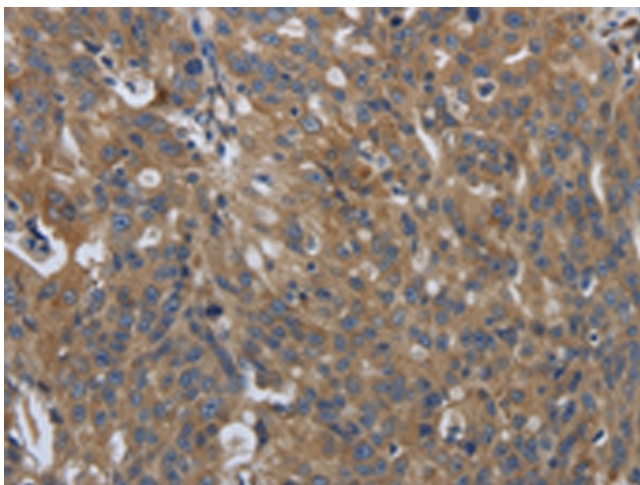
Exposure time: 1 minute



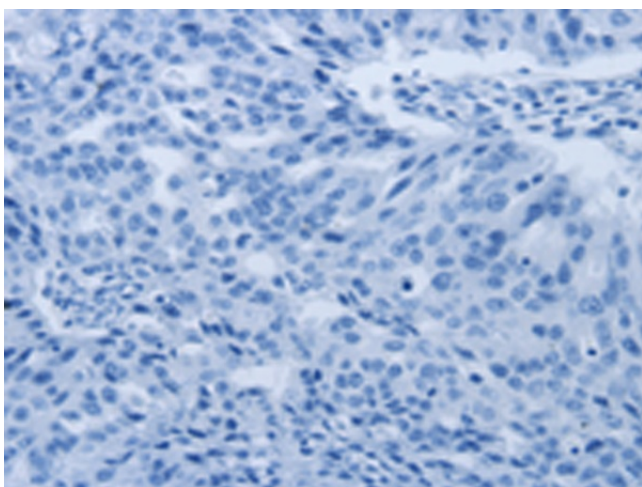
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321593 (SOCS1 Antibody) at dilution 1/90 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321593 (SOCS1 Antibody) at dilution 1/90, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321593 (SOCS1 Antibody) at dilution 1/90 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321593 (SOCS1 Antibody) at dilution 1/90, treated with synthetic peptide. (Original magnification: $\times 200$)