

## Product datasheet for **TA321592**

### SOCS1 Rabbit Polyclonal Antibody

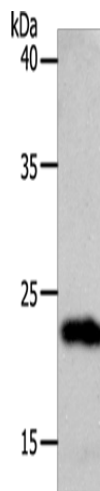
#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: 231 cells IHC: 50-200 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 200-211 amino acids of Human suppressor of cytokine signaling 1
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 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:	<a href="#">NP_003736</a> <a href="#">Entrez Gene 12703 Mouse</a> <a href="#">Entrez Gene 252971 Rat</a> <a href="#">Entrez Gene 8651 Human</a> <a href="#">O15524</a>

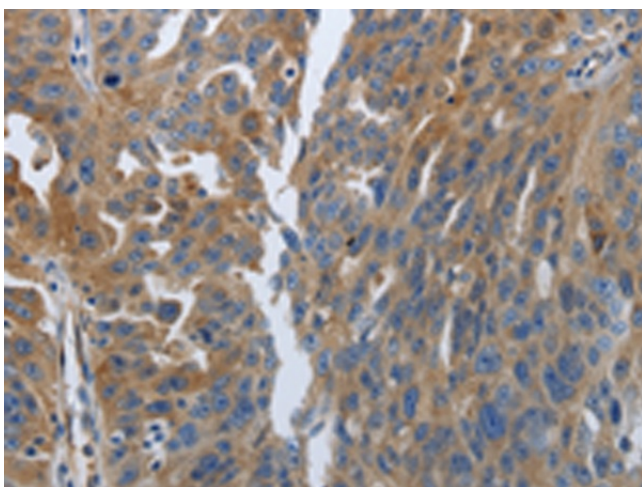


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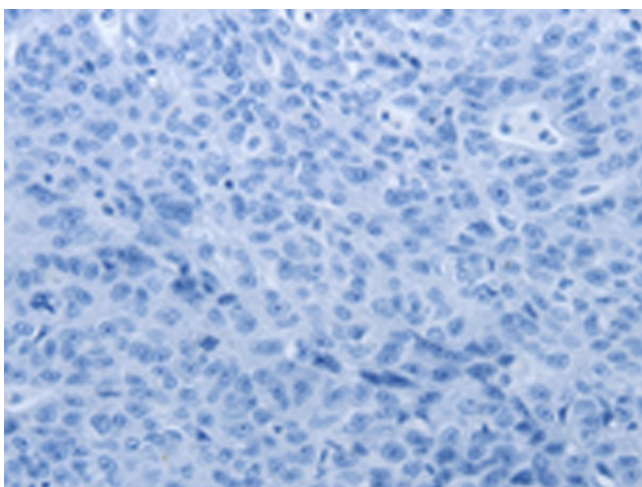
<b>Background:</b>	This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by a subset of cytokines, 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.
<b>Synonyms:</b>	CIS1; CISH1; JAB; SOCS-1; SSI-1; SSI1; TIP3
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway
<b>Protein Pathways:</b>	Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus, Ubiquitin mediated proteolysis

**Product images:**

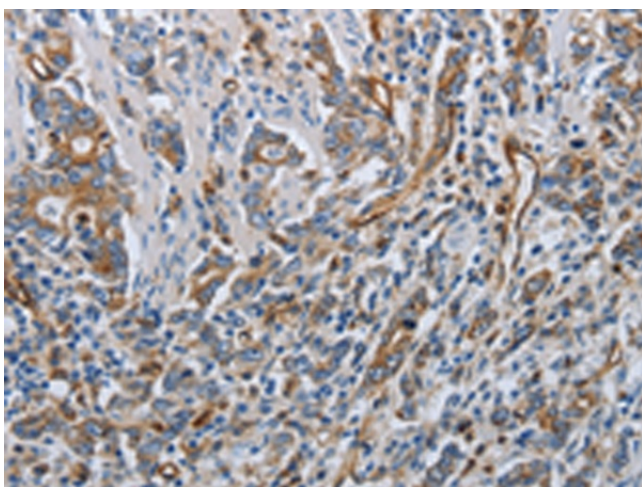
Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane: 231 cells  
Primary antibody: TA321592 (SOCS1 Antibody) at dilution 1/1300  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



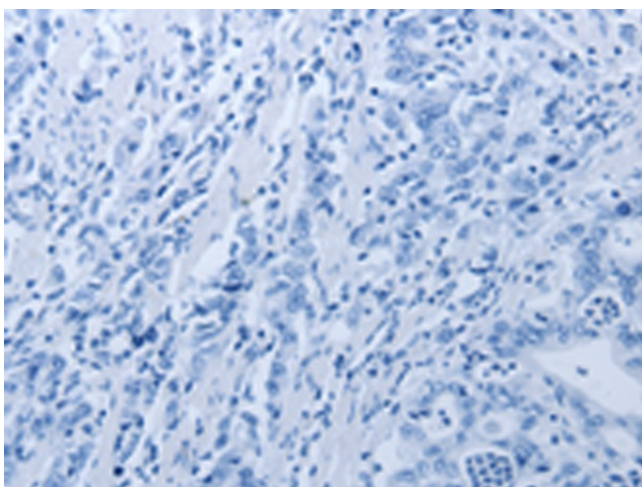
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321592 (SOCS1 Antibody) at dilution 1/70 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321592 (SOCS1 Antibody) at dilution 1/70, treated with synthetic peptide. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321592 (SOCS1 Antibody) at dilution 1/70 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA321592 (SOCS1 Antibody) at dilution 1/70, treated with synthetic peptide. (Original magnification:  $\times 200$ )