

Rabbit anti-Human SOCS2 Polyclonal Antibody | anti-SOCS2 antibody

Anti-SOCS2 Antibody, Rabbit Polyclonal

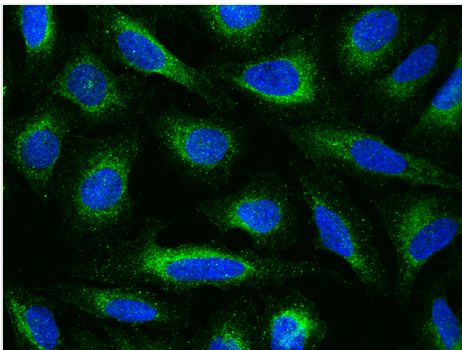
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257027	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

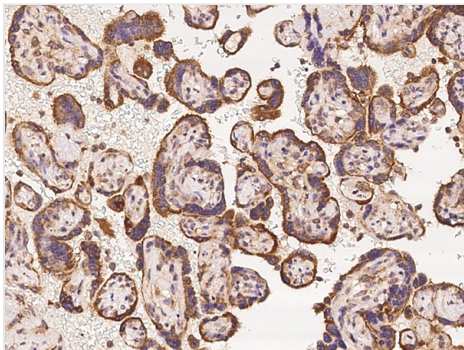
SOCS2; Polyclonal Antibody; Anti-SOCS2 Antibody; Rabbit Polyclonal; SOCS2 Antibody; Rabbit PAb; Antigen Affinity Purified; suppressor of cytokine signaling 2; Anti-CIS2 Antibody; Anti-Cish2 Antibody; Anti-SOCS-2 Antibody; Anti-SSI-2 Antibody; Anti-SSI2 Antibody; Anti-STAT12 Antibody; anti-SOCS2 antibody

PRODUCT SPECIFICATIONS

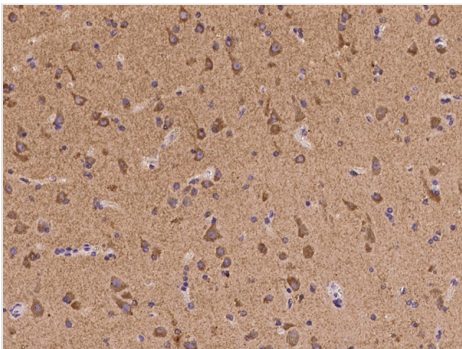
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SOCS2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SOCS2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human SOCS2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SOCS2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of SOCS2 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human SOCS2 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)
Immunochemical staining of human SOCS2 in human placenta with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human SOCS2 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SOCS2 antibody	The suppressor of cytokine signaling 2 (SOCS2) is a member of the SOCS family and influences the carcinogenesis of multiple types of tumors. SOCS2 acts as substrate recognition subunit of a Cullin5 E3 ubiquitin ligase complex. SOCS2 binds to phosphotyrosine-modified epitopes as degrons for ubiquitination and proteasomal degradation. Its deficiency is associated with gigantism and organismal lethality upon inflammatory challenge. SOCS2, a feedback inhibitor of JAK-STAT pathways, is expressed in most primitive hematopoietic stem cells (HSC) and is upregulated in response to STAT5-inducing cytokines. SOCS2 is a STAT5b-regulated gene and one of its functions is to influence growth and development through negative regulatory effects on GH/IGF-1 pathway. SOCS2 inhibited human hepatocellular carcinoma (HCC) metastasis, and SOCS2 might provide a new potential therapeutic strategy for treating HCC.
Product Categories/Family for anti-SOCS2 antibody	Jak-Stat Signaling Pathway
References	Trarbach EB, et al. (2017) Socs2 polymorphisms are not associated with clinical and biochemical phenotypes in acromegalic patients. Pituitary 20 (3): 319-324.Kung WW, et al. (2019) Structural insights into substrate recognition by the socs2 e3 ubiquitin ligase. Nat Commun 10 (1): 2534.Cui M, et al. (2016) The suppressor of cytokine signaling 2 (socs2) inhibits tumor metastasis in hepatocellular carcinoma. Tumour Biol 37 (10): 13521-13531.Bi H, et al. (2017) Increased copy number of socs2 gene in chinese gamecocks. Poult Sci 96 (5): 1041-1044.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.