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

Anti-SOCS2 Antibody, Rabbit Polyclonal

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

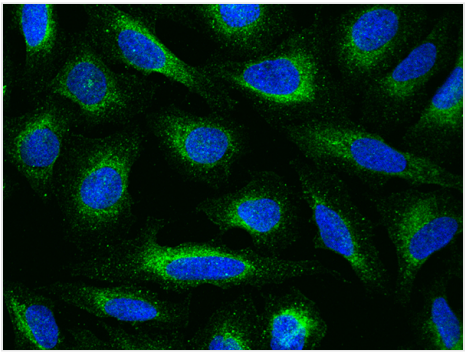
PRODUCT SYNONYMS

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-STATI2 Antibody; anti-SOCS2 antibody

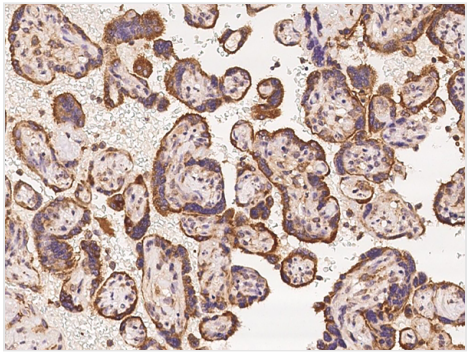
PRODUCT SPECIFICATIONS

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.

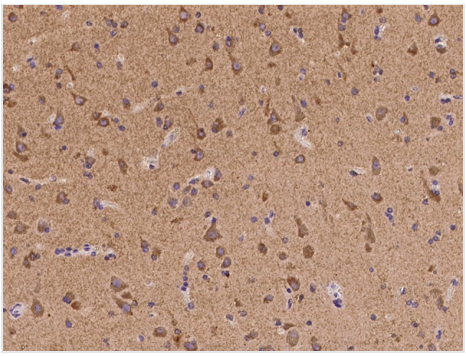
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of SOCS2 in U2OS cells. Cells were fixed with 4% PFA, permeabilzed 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 (Immunohiostchemistry)
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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/socs2-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/257027