abcam

ab273652

Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free

Key facts

Isotype	IgG2a
Host species	Mouse
Storage buffer	pH: 7.3 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human SOCS3. Database link O14543
Carrier free	Yes
Clone number	OTI3D3
Purification technique	Affinity purification Protein A/G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	1/150
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Expected

Species	African green monkey
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/100
Notes	-

Expected

Species	African green monkey
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Human
Dilution info	1/2000
Notes	-

Expected

Species	African green monkey
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Tested

Species	African green monkey
Dilution info	1/100
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	-

Expected

Species	African green monkey
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information SOCS3

Function	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including IL6ST/gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity and regulates IL6 signaling. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells (By similarity). Probable substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:15601820).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

ab273652 is the carrier-free version of ab236519.
Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

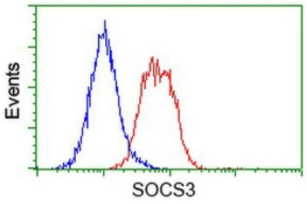
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

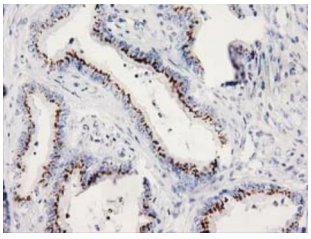
6 product images



Flow Cytometry (Intracellular) - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652)

SOCS3 Flow Cytometry (Intracellular) staining using mouse Anti-SOCS3 antibody

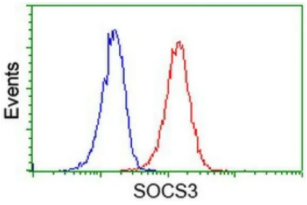
Flow cytometric analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell using ab236519 (Red) at 1/100 dilution, compared to a nonspecific negative control antibody, (Blue).
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab236519).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652)

SOCS3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-SOCS3 antibody

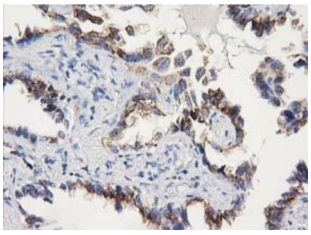
Immunohistochemical analysis of paraffin-embedded human colon adenocarcinoma tissue staining SOCS3 with ab236519 at 1/150 dilution.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab236519).



Flow Cytometry (Intracellular) - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652)

SOCS3 Flow Cytometry (Intracellular) staining using mouse Anti-SOCS3 antibody

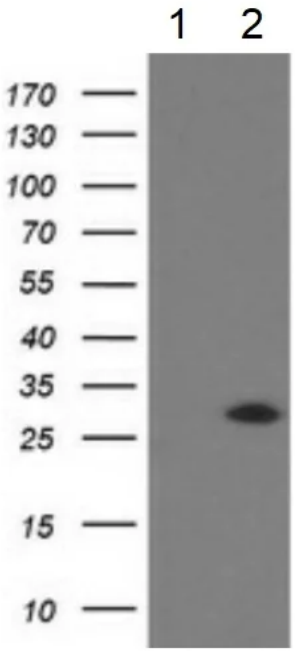
Flow cytometric analysis of Jurkat (human T cell leukemia cell line from peripheral blood) whole cell using ab236519 (Red) at 1/100 dilution, compared to a nonspecific negative control antibody, (Blue).
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab236519).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652)

SOCS3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-SOCS3 antibody

Immunohistochemical analysis of paraffin-embedded human thyroid carcinoma tissue staining SOCS3 with ab236519 at 1/150 dilution.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab236519).



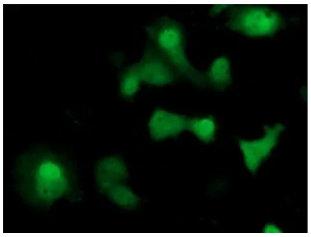
Western blot - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652)

All lanes:
Western blot - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652) at 1/2000 dilution

Lane 1:
pCMV6-ENTRY control-transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate at 5 µg

Lane 2:
pCMV6-ENTRY SOCS3-transfected HEK-293T whole cell lysate at 5 µg

Predicted band size: 24 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SOCS3 antibody [OTI3D3] - BSA and Azide free (ab273652)

SOCS3 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-SOCS3 antibody

Immunofluorescence analysis of COS-7 (african green monkey kidney fibroblast-like cell line) whole cells labeling SOCS3 with ab236519 at 1/100 dilution.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab236519).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.