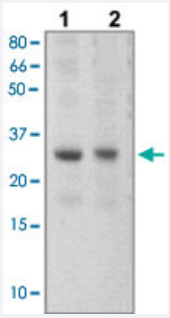
SOCS3 polyclonal antibody

Catalog # PAB12780 Size 100 ug

Applications



Western Blot (Tissue lysate)

The tissue lysates derived from mouse liver (Lane 1), mouse muscle (Lane 2) were immunoprobed by SOCS3 polyclonal antibody (Cat # PAB12780) at 1 : 500. An immunoreactive band is observed around ~27kDa.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SOCS3.
Immunogen	A synthetic peptide corresponding to C-terminus of human, mouse and rat SOCS3.
Host	Rabbit
Theoretical MW (kDa)	27
Reactivity	Human, Mouse
Specificity	This antibody recognizes ~27 KDa of SOCS3.
Form	Liquid
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (BSA, 10% Proclin300)

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Storage Instruction	Store at 4°C. For long term storage store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Tissue lysate)

  The tissue lysates derived from mouse liver (Lane 1), mouse muscle (Lane 2) were immunoprobed by SOCS3 polyclonal antibody (Cat # PAB12780) at 1 : 500. An immunoreactive band is observed around ~27kDa.

Gene Info — SOCS3

Entrez GeneID	9021
Gene Name	SOCS3
Gene Alias	ATOD4, CIS3, Cish3, MGC71791, SOCS-3, SSI-3, SSI3
Gene Description	suppressor of cytokine signaling 3
Omim ID	604176 605805
Gene Ontology	Hyperlink
Other Designations	STAT induced STAT inhibitor 3|cytokine-induced SH2 protein 3

Gene Info — Socs3

Entrez GeneID	12702
Gene Name	Socs3
Gene Alias	CIS3, Cish3, EF-10, SOCS-3, SSI-3
Gene Description	suppressor of cytokine signaling 3
Gene Ontology	Hyperlink

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Other Designations	E2a-Pbx1 target gene in fibroblasts 10|OTTMUSP00000003963|STAT-induced STAT inhibitor 3| cytokine inducible SH2-containing protein 3|cytokine-inducible SH2 protein 3

Gene Info — Socs3

Entrez GeneID	89829
Gene Name	Socs3
Gene Alias	Cish3, Socs-3, Ssi-3
Gene Description	suppressor of cytokine signaling 3
Gene Ontology	Hyperlink
Other Designations	cytokine inducible SH2-containing protein 3

Publication Reference

- SOCS3 targets Siglec 7 for proteasomal degradation and blocks Siglec 7-mediated responses.

  Orr SJ, Morgan NM, Buick RJ, Boyd CR, Elliott J, Burrows JF, Jefferies CA, Crocker PR, Johnston JA.

  The Journal of Biological Chemistry 2007 Feb; 282(6):3418.

  Application: IP, WB, Mouse, Ba/F3 cells, MEFs

Pathway

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

Disease

- Anorexia Nervosa

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- Arthritis
- Asthma
- Atherosclerosis
- Birth Weight
- Body Weight
- Bronchiolitis
- Bulimia
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hepatitis C
- Infant
- Insulin Resistance
- Leukemia
- Lymphoma
- Meningeal Neoplasms
- Meningioma
- Obesity
- Respiratory Syncytial Virus Infections

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