

SOCS3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51979

Product Information

Application	WB
Primary Accession	O14543
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26 kDa

Additional Information

Other Names	Suppressor of cytokine signaling 3, SOCS-3, Cytokine-inducible SH2 protein 3, CIS-3, STAT-induced STAT inhibitor 3, SSI-3, SOCS3, CIS3, SSI3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SOCS3. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Background

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 gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo (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. Seems to recognize IL6ST (By similarity).

References

Minamoto S.,et al.Biochem. Biophys. Res. Commun. 237:79-83(1997).
Masuhara M.,et al.Biochem. Biophys. Res. Commun. 239:439-446(1997).

Dey B.R.,et al.Biochem. Biophys. Res. Commun. 278:38-43(2000).
Sasaki A.,et al.Genes Cells 4:339-351(1999).
Hoertner M.,et al.Eur. J. Biochem. 269:2516-2526(2002).

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