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[Primary Antibody]

Recombinant Rabbit Anti-SOCS1 Monoclonal Antibody

Catalog Number: SLA0458M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Clone No.:	4B2
GeneID:	8651
SWISS:	O15524
Target:	SOCS1
Immunogen:	KLH conjugated synthetic peptide derived from human Socs 1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Rat
Predicted MW.:	23 kDa
Subcellular Location:	Nucleus
Background:	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity (By similarity). Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor(LIF). Regulates interferon-gamma mediated sensory neuron survival. Implicated, through SOCS box binding, in ubiquitin-dependent protein degradation. High expression in thymus. Lower expression in lung and spleen.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.