

Product datasheet for TA354443

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CISH Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB 0.1-1 μg/ml ELISA 0.01-0.1 μg/ml IP 2-5 μg/ml IHC 2-10 μg/ml FC 5-10 μg/ml

Reactivity: Human
Host: Rabbit
Isotype: IgG

Clonality: Polyclonal

Immunogen: A synthetic peptide corresponding to internal sequence of CIS-1 protein from human, rat and

mouse origins.

Formulation: This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2)

containing antibody stabilizer.

Purification: The Rabbit IgG is purified by Epitope Affinity Purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 29 kDa

Gene Name: cytokine inducible SH2 containing protein

Database Link: NP 037456

Entrez Gene 1154 Human

Q9NSE2



Background:

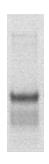
Cytokines induce a variety of biological responses by binding to specific cell surface receptors and activating cytoplasmic signal transduction pathways which are suppressed by other transcriptional factors. Proteins that mediate these signals from the cell surface to the nucleus include JAKs and STATs, while SOCS (Suppressor of cytokine signaling) proteins inhibit those signaling. The SOCS family comprises at least 8 members, SOCS1 to SOCS7 and CIS (cytokine inducible SH2 containing protein). Structurally, the SOCS proteins are composed of an N terminal region of variable length and amino acid composition, a central SH2 domain, and a previously unrecognized C terminal motif named the SOCS box. SOCS 1 inhibition of signal transduction appears to occur by binding to and inhibiting the catalytic activity of members of JAK family of cytoplasmic kinases (direct JAK2 kinase inhibition). CIS1 is involved in EPO signaling.

BACTS2; CIS; CIS-1; G18; SOCS Synonyms:

Protein Families: Druggable Genome

Protein Pathways: Jak-STAT signaling pathway

Product images:



WB: The tissue lysate derived from mouse kidney was immunoprobed by Rabbit anti-CIS-1 antibody at 1:500. An immunoreactive band is

observed around ~.