SOCS3 Rabbit mAb

Catalog NO.: A21981 Recombinant 5 Publications

Basic Information

Observed MW
28 kDa

Calculated MW
25 kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Mouse

Conjugation
Unconjugated

Clone number
ARC53312

Background

This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development.

Recommended Dilutions

WB	1:500 - 1:2000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
9021

Swiss Prot
O14543

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CIS3; SSI3; ATOD4; Cish3; SSI-3; SOCS-3; SOCS3

Contact

Product Information

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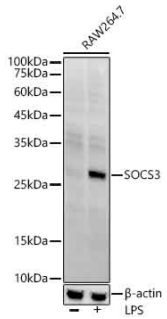
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using SOCS3 Rabbit mAb (A21981) at1:2000 dilution incubated overnight at 4°C. Raw 264. 7 cells were treated with LPS (1 μg/ml) at 37°C for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180 s.

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