

RecomAb™

SOCS2 recombinant monoclonal antibody, clone R03-4D9

Catalog # RAB01903 Size 100 uL

Applications



Western Blot

Western blot analysis of K562 lysates with SOCS2 recombinant monoclonal antibody, clone R03-4D9 (Cat # RAB01903).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SOCS2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SOCS2.
Theoretical MW (kDa)	Calculated MW: 22 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of K562 lysates with SOCS2 recombinant monoclonal antibody, clone R03-4D9 (Cat # RAB01903).

- Immunoprecipitation

Gene Info — SOCS2

Entrez GeneID[8835](#)**Protein Accession#**[O14508](#)**Gene Name**

SOCS2

Gene Alias

CIS2, Cish2, SOCS-2, SSI-2, SSI2, STAT2

Gene Description

suppressor of cytokine signaling 2

Omim ID[605117](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10 and interferon (IFN)-gamma. The protein encoded by this gene is found to interact with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R), and thus is thought to be involved in the regulation of IGF1R mediated cell signaling. Knockout studies in mice also suggested a regulatory role of this gene in IGF-1 related growth control. [provided by RefSeq]

Other Designations

STAT induced STAT inhibitor-2|cytokine-inducible SH2 protein 2|suppressor of cytokine signaling -2

Pathway

- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Infant](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Respiratory Syncytial Virus Infections](#)