

Anti-SOCS2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

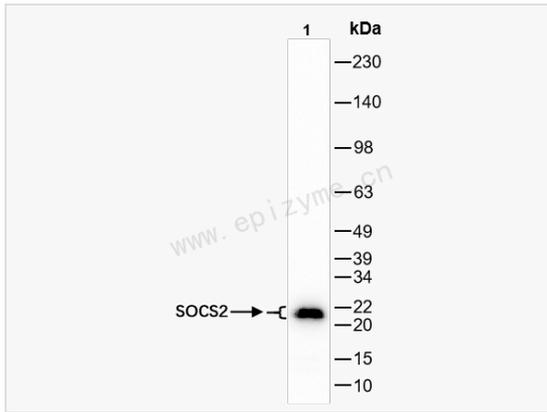
Catalog # R013534

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	20K37M04
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SOCS2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-SOCS2 Rabbit mAb [20K37M04] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CIS2; SSI2; STATI2; SOCS2; Suppressor of cytokine signaling 2; SOCS-2; Cytokine-inducible SH2 protein 2; STAT-induced STAT inhibitor 2; CIS-2; SSI-2.
Calculated MW	Calculated MW: 22 kDa; Observed MW: 20-22 kDa
Uniprot ID	O14508
Gene ID	8835
Background	This gene encodes a member of the suppressor of cytokine signaling (SOCS) family. SOCS family members are cytokine-inducible negative regulators of cytokine receptor signaling via the Janus kinase/signal transducer and activation of transcription pathway (the JAK/STAT pathway). SOCS family proteins interact with major molecules of signaling complexes to block further signal transduction, in part, by proteasomal depletion of receptors or signal-transducing proteins via ubiquitination. The expression of this gene can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10, interferon (IFN)-gamma and by cytokine receptors such as growth hormone receptor. The protein encoded by this gene interacts with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R) and is thought to be involved in the regulation of IGF1R mediated cell signaling. This gene has pseudogenes on chromosomes 20 and 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]
Cellular Location	Cytoplasm.
Tissue Location	High expression in heart, placenta, lung, kidney and prostate. Predominantly expressed in pulmonary epithelia cells, specifically type II pneumocytes.



Western Blot - Anti-SOCS2 Rabbit mAb [20K37M04]

All lanes: R013534 at 1:3,000 dilution

Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 22 kDa

Observed band size: 20-22 kDa

Developed using the ECL technique (Cat. No. SQ201).