Datasheet for ABIN6265217

anti-SOCS3 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	SOCS3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOCS3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human SOCS3, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	SOCS3 Antibody detects endogenous levels of total SOCS3.
Predicted Reactivity:	Bovine,Horse,Sheep,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	SOCS3

Target Details

Alternative Name:	SOCS3 (SOCS3 Products)
Background:	Description: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo (By similarity). Probable substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize IL6ST (By similarity). Gene: SOCS3
Molecular Weight:	25kDa
Gene ID:	9021
UniProt:	O14543
Pathways:	JAK-STAT Signaling, Response to Growth Hormone Stimulus, Hepatitis C

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

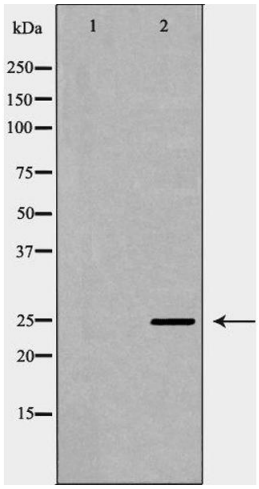
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.

Handling

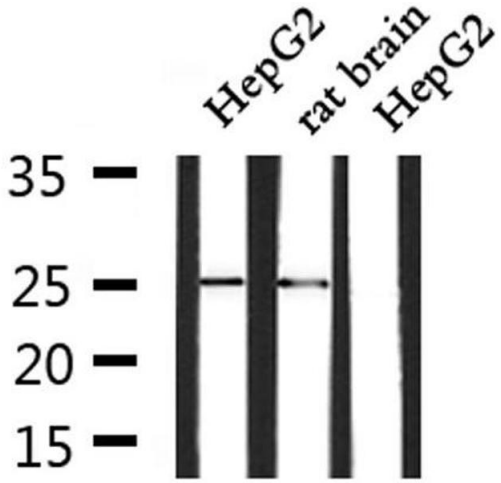
Expiry Date:	12 months

Images



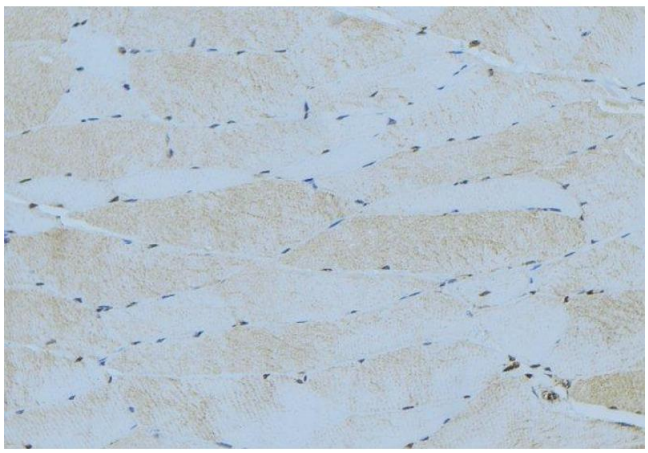
Western Blotting

Image 1. Western blot analysis of K562 lysate using SOCS3 antibody. The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 and rat brain, using SOCS3 Antibody.



Immunohistochemistry

Image 3. ABIN6276403 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary