

For Research Use Only

# SOCS3 Recombinant antibody

Catalog Number: 85155-4-RR



## Basic Information

<b>Catalog Number:</b> 85155-4-RR	<b>GenBank Accession Number:</b> BC060858	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9021	<b>CloneNo.:</b> 242809D7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14543	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> suppressor of cytokine signaling 3	
<b>Immunogen Catalog Number:</b> AG5170	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 25-30 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, CTLL-2 cells
<b>Species Specificity:</b> human, mouse	

## Background Information

The suppressor of cytokine signaling (SOCS) family proteins are negative feedback system that inhibits cytokine signal transduction. One of the SOCS family, SOCS3, also named CIS3 and SSI3, is involved in inhibition of JAK/STAT pathway which regulates IL-6 signaling in vivo. SOCS3 can be rapidly trigger by a number of factors including interleukins, IFN-gamma and TNF-alpha. Pathology such as inflammatory response, wound repair and obesity and so on have been linked to SOCS3. Observed MW of SOCS3 is from 22-30 kDa(PMID: 24827536,PMID: 26260587, PMID: 26797799).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

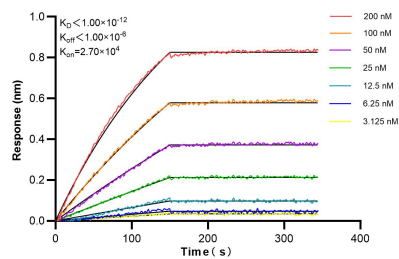
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85155-4-RR (SOCS3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85155-4-RR against Human SOCS3 were performed. The affinity constant is below 1 pM.