

For Research Use Only

# SHOC2/Sur-8 Recombinant antibody

Catalog Number: 84917-5-RR



## Basic Information

<b>Catalog Number:</b> 84917-5-RR	<b>GenBank Accession Number:</b> BC050445	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8036	<b>CloneNo.:</b> 242343E6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UQ13	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> soc-2 suppressor of clear homolog (C. elegans)	
<b>Immunogen Catalog Number:</b> AG11754	<b>Calculated MW:</b> 582 aa, 65 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, U-251 cells
<b>Species Specificity:</b> human	

## Background Information

SHOC2 is also named as Sur-8. The SHOC2 protein, along with MRAS and PP1C, forms a high affinity, heterotrimeric holoenzyme that activates RAF kinases by dephosphorylating a specific phosphoserine (PMID: 37074066). SHOC2, a key protein mediating the Ras-Raf-ERK pathway, could act as a scaffolding protein to facilitate the activation of the pathway by mediating the interaction of key components of the pathway (PMID: 37170083). The scaffold protein Shoc2 is a critical modulator of ERK1/2 signals, and mutations in the shoc2 gene lead to the human developmental disease known as Noonan-like syndrome with loose anagen hair (NSLH) (PMID: 36265687).

## Storage

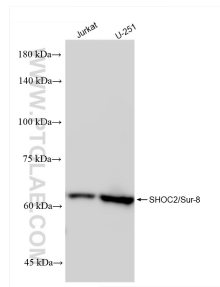
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84917-5-RR (SHOC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.