

For Research Use Only

SHOC2/Sur-8 Recombinant antibody, PBS Only

Catalog Number: 84917-5-PBS



Basic Information

Catalog Number: 84917-5-PBS	GenBank Accession Number: BC050445	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 8036	CloneNo.: 242343E6
Source: Rabbit	UNIPROT ID: Q9UQ13	
Isotype: IgG	Full Name: soc-2 suppressor of clear homolog (C. elegans)	
Immunogen Catalog Number: AG11754	Calculated MW: 582 aa, 65 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

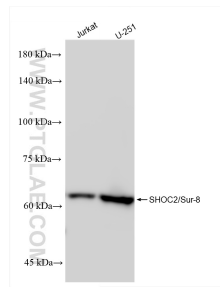
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Selected Validation Data



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. This data was developed using the same antibody clone with 84917-5-PBS in a different storage buffer formulation.