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Datasheet for ABIN915160

## anti-SHoc2/Sur8 antibody (AA 36-120) (Alexa Fluor 647)

### Overview

Quantity:	100 µL
Target:	SHoc2/Sur8 (SHOC2)
Binding Specificity:	AA 36-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHoc2/Sur8 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SHOC2/Sur8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	SHoc2/Sur8 (SHOC2)
Alternative Name:	SHOC2 ( <a href="#">SHOC2 Products</a> )

## Target Details

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**Background:** Synonyms: Leucine-rich repeat protein SHOC-2, Leucine-rich repeat protein SHOC-2, Ras-binding protein Sur-8, KIAA0862, Leucine-rich repeat protein SHOC-2, Protein soc-2 homolog, Protein Sur-8 homolog, SHOC2, SHOC2\_HUMAN.

Background: Regulatory subunit of protein phosphatase 1 (PP1c) that acts as a M-Ras/MRAS effector and participates in MAPK pathway activation. Upon M-Ras/MRAS activation, targets PP1c to specifically dephosphorylate the 'Ser-259' inhibitory site of RAF1 kinase and stimulate RAF1 activity at specialized signaling complexes. Involvement in disease: Defects in SHOC2 are the cause of Noonan syndrome-like with loose anagen hair (NSLAH). NSLAH children display macrocephaly, high forehead, hypertelorism, palpebral ptosis, low-set and posteriorly rotated ears, short and webbed neck and pectus anomalies. Affected subjects also have easily pluckable, sparse, thin and slow-growing hair.

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**Gene ID:** 8036

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months