



[Go to Product page](#)

Datasheet for ABIN5010509

anti-SHoc2/Sur8 antibody (AA 36-120) (AbBy Fluor® 680)

Overview

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|----------------------|--|
| 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 AbBy Fluor® 680 |
| 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 (SHOC2 Products) |

Target Details

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.

Gene ID: 8036

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

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

Expiry Date: 12 months