10320 Camino Santa Fe, Suite G
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SHOC2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17667a

Specification

SHOC2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UQ13
Other Accession	O88520, A6QLV3, NP_031399.2
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**64888**
Antigen Region	**56-83**

SHOC2 Antibody (N-term) - Additional Information

Gene ID 8036

Other Names
Leucine-rich repeat protein SHOC-2, Protein soc-2 homolog, Protein sur-8 homolog, SHOC2, KIAA0862

Target/Specificity
This SHOC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-83 amino acids from the N-terminal region of human SHOC2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SHOC2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SHOC2 Antibody (N-term) - Protein Information

Name SHOC2

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Synonyms KIAA0862

Function 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.

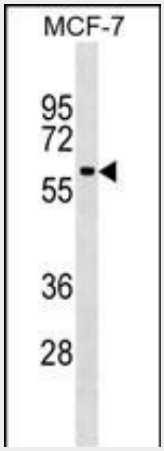
Cellular Location
Cytoplasm. Nucleus. Note=Translocates from cytoplasm to nucleus upon growth factor stimulation.

SHOC2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

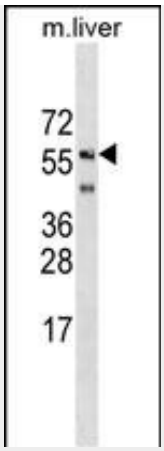
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SHOC2 Antibody (N-term) - Images



SHOC2 Antibody (N-term) (Cat. #AP17667a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the SHOC2 antibody detected the SHOC2 protein (arrow).

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SHOC2 Antibody (N-term) (Cat. #AP17667a) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the SHOC2 antibody detected the SHOC2 protein (arrow).

SHOC2 Antibody (N-term) - Background

This gene encodes a protein that consists almost entirely of leucine-rich repeats, a domain implicated in protein-protein interactions. The protein may function as a scaffold linking RAS to downstream signal transducers in the RAS/ERK MAP kinase signaling cascade. Mutations in this gene have been associated with Noonan-like syndrome with loose anagen hair.

SHOC2 Antibody (N-term) - References

Matsunaga-Udagawa, R., et al. J. Biol. Chem. 285(10):7818-7826(2010)
Yoshiki, S., et al. Mol. Biol. Cell 21(6):1088-1096(2010)
Flotho, C., et al. Blood 115 (4), 913 (2010) :
Cordeddu, V., et al. Nat. Genet. 41(9):1022-1026(2009)
Rodriguez-Viciana, P., et al. Mol. Cell 22(2):217-230(2006)