

SHOC2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17667a**Specification**

SHOC2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9UQ13](#)

SHOC2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8036

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SHOC2 Antibody (N-term) Blocking Peptide - Protein Information

Name SHOC2

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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SHOC2 Antibody (N-term) Blocking Peptide - Images

SHOC2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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-Viciano, P., et al. Mol. Cell 22(2):217-230(2006)