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SSH1 Antibody(N-term) Blocking peptide

Synthetic peptide
Catalog # BP19412a

Specification

SSH1 Antibody(N-term) Blocking peptide - Product Information

Primary Accession Q8WYL5

SSH1 Antibody(N-term) Blocking peptide - Additional Information

Gene ID 54434

Other Names
Protein phosphatase Slingshot homolog 1, SSH-like protein 1, SSH-1L, hSSH-1L, SSH1, KIAA1298, SSH1L

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.

SSH1 Antibody(N-term) Blocking peptide - Protein Information

Name SSH1 (HGNC:30579)

Synonyms KIAA1298, SSH1L

Function
Protein phosphatase which regulates actin filament dynamics. Dephosphorylates and activates the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly. Inhibitory phosphorylation of cofilin is mediated by LIMK1, which may also be dephosphorylated and inactivated by this protein.

Cellular Location
Cytoplasm, cytoskeleton. Cell projection, lamellipodium. Cleavage furrow. Midbody. Note=Also recruited to actin rich membrane protrusions such as lamellipodia, which may allow local control of actin dynamics at sites of cell locomotion. Also localized to the cleavage furrow and the midbody during cytokinesis

SSH1 Antibody(N-term) Blocking peptide - Protocols

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

- Blocking Peptides

SSH1 Antibody(N-term) Blocking peptide - Images

SSH1 Antibody(N-term) Blocking peptide - Background

The ADF (actin-depolymerizing factor)/cofilin family (seeMIM 601442) is composed of stimulus-responsive mediators of actindynamics. ADF/cofilin proteins are inactivated by kinases such asLIM domain kinase-1 (LIMK1; MIM 601329). The SSH family appears toplay a role in actin dynamics by reactivating ADF/cofilin proteinsin vivo (Niwa et al., 2002 [PubMed 11832213]).

SSH1 Antibody(N-term) Blocking peptide - References

Song, S.Y., et al. APMIS 118(5):389-393(2010)Peterburs, P., et al. Cancer Res. 69(14):5634-5638(2009)Kligys, K., et al. Biochem. Biophys. Res. Commun. 383(4):450-454(2009)Kim, J.S., et al. Mol. Biol. Cell 20(11):2650-2660(2009)Huang, T.Y., et al. Dev. Cell 15(5):691-703(2008)