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SPRED1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP1449b

Specification

SPRED1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q7Z699

SPRED1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 161742

Other Names
Sprouty-related, EVH1 domain-containing protein 1, Spred-1, hSpred1, SPRED1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1449b was selected from the C-term region of human SPRED1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SPRED1 Antibody (C-term) Blocking Peptide - Protein Information

Name SPRED1

Function
Tyrosine kinase substrate that inhibits growth-factor- mediated activation of MAP kinase (By similarity). Negatively regulates hematopoiesis of bone marrow (By similarity). Inhibits fibroblast growth factor (FGF)-induced retinal lens fiber differentiation, probably by inhibiting FGF-mediated phosphorylation of ERK1/2 (By similarity). Attenuates actin stress fiber formation via inhibition of TESK1-mediated phosphorylation of cofilin (PubMed:18216281). Inhibits TGFB-induced epithelial-to-mesenchymal transition in lens epithelial cells (By similarity).

Cellular Location
Cell membrane; Peripheral membrane protein. Membrane, caveola; Peripheral membrane protein. Nucleus Note=Localized in cholesterol-rich membrane raft/caveola fractions

Tissue Location
Weakly expressed in embryonic cell line HEK293.

SPRED1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SPRED1 Antibody (C-term) Blocking Peptide - Images

SPRED1 Antibody (C-term) Blocking Peptide - Background

SPRED1 is a tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase.