

**SPRED1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1449b****Specification**

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**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](/product/products/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](http://www.uniprot.org/citations/18216281)). Inhibits TGF $\beta$ -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.