

SPRED1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1449d**Specification**

SPRED1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q7Z699](#)**SPRED1 Antibody (N-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 [AP1449d](/product/products/AP1449d) was selected from the N-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 (N-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 β -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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SPRED1 Antibody (N-term) Blocking Peptide - Images**SPRED1 Antibody (N-term) Blocking Peptide - Background**

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

SPRED1 Antibody (N-term) Blocking Peptide - References

Brems,H., Nat. Genet. 39 (9), 1120-1126 (2007)Szafranski,K., Genome Biol. 8 (8), R154 (2007)Yoshida,T., Oncogene 25 (45), 6056-6066 (2006)King,J.A., Biochem. J. 388 (PT 2), 445-454 (2005)