

**SPRED1 Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1449e****Specification**

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**SPRED1 Antibody - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">Q7Z699</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50477

**SPRED1 Antibody - Additional Information****Gene ID** 161742**Other Names**

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

**Target/Specificity**

This SPRED1 antibody is generated from rabbits immunized with human SPRED1 recombinant protein.

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SPRED1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SPRED1 Antibody - 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

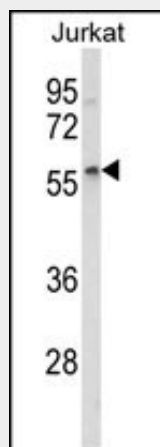
Weakly expressed in embryonic cell line HEK293.

### SPRED1 Antibody - Protocols

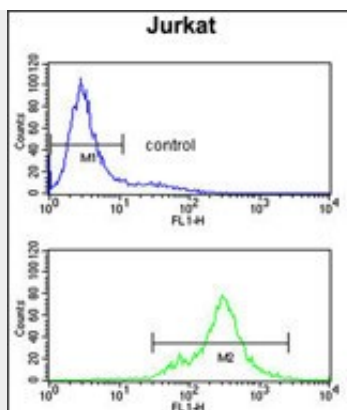
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SPRED1 Antibody - Images



Western blot analysis of SPRED1 Antibody (Cat. #AP1449e) in Jurkat cell line lysates (35ug/lane). SPRED1 (arrow) was detected using the purified Pab.



SPRED1 Antibody (Cat. #AP1449e) flow cytometry analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **SPRED1 Antibody - Background**

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

### **SPRED1 Antibody - 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)