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

Specification

SPRED1 Antibody - Product Information

Application	**WB, FC,E**
Primary Accession	Q7Z699
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
WB~~1:1000
FC~~1:10~50

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

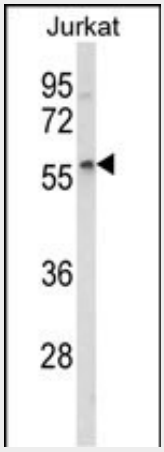
Tissue Location
Weakly expressed in embryonic cell line HEK293.

SPRED1 Antibody - Protocols

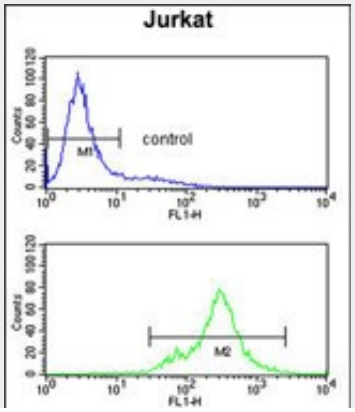
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.



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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)