

SPRED1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS12998**Specification**

SPRED1 Antibody (Internal) - Product Information

Application	IF, WB, IHC
Primary Accession	Q7Z699
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

SPRED1 Antibody (Internal) - Additional Information**Gene ID** 161742**Other Names**

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

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

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

SPRED1 Antibody (Internal) - 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

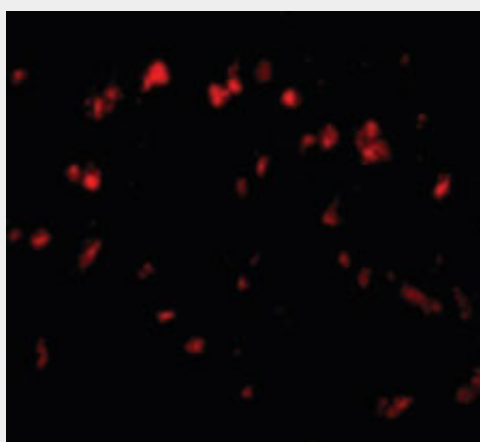
Weakly expressed in embryonic cell line HEK293.

SPRED1 Antibody (Internal) - Protocols

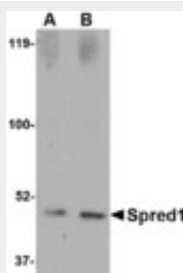
Provided below are standard protocols that you may find useful for product applications.

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

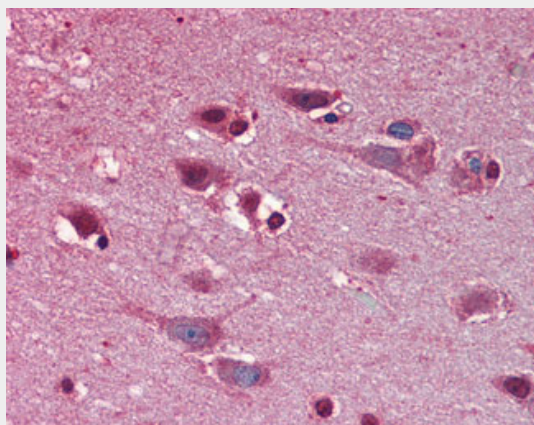
SPRED1 Antibody (Internal) - Images



Immunofluorescence of Spred1 in Human Brain cells with Spred1 antibody at 20 ug/ml.



Western blot of Spred1 in human brain tissue lysate with Spred1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-SPRED1 antibody IHC of human brain, cortex.

SPRED1 Antibody (Internal) - Background

Tyrosine kinase substrate that inhibits growth-factor- mediated activation of MAP kinase.
Negatively regulates hematopoiesis of bone marrow (By similarity).

SPRED1 Antibody (Internal) - References

King J.A.J.,et al.Biochem. J. 388:445-454(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Engelhardt C.M.,et al.Histochem. Cell Biol. 122:527-538(2004).
Nonami A.,et al.Genes Cells 10:887-895(2005).