Spred1 Antibody

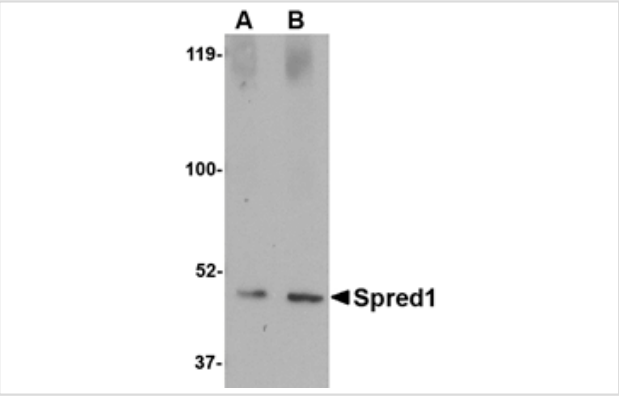
Catalog No: #24773

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

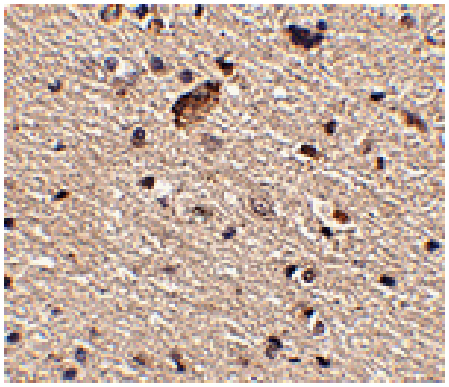
Description

Product Name	Spred1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	This Spred1 antibody is predicted to have no cross-reactivity to Spred2 or Spred3.
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the center of the human Spred1.
Target Name	Spred1
Other Names	Sprouty-related EVH1 domain-containing protein 1, NFLS
Accession No.	Swiss-Prot:Q7Z699Gene ID:161742
Uniprot	Q7Z699
GeneID	161742;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



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



Immunohistochemistry of Spred1 in human brain tissue with Spred1 antibody at 2.5 ug/mL.

Background

The Ras-MAP kinase pathway is essential for the differentiation of neuronal cells and myocytes; it is inhibited by Spred1, a member of the Sprouty family of proteins. Spred1 acts by suppressing the phosphorylation and activation of Raf. The Spred proteins have also been implicated in the negative feedback regulation of FGF signaling in embryogenesis and angiogenesis. Further studies have shown that expression levels of Spred1 and Spred2 proteins are inversely correlated with the incidence of tumor invasion and metastasis in human hepatocellular carcinoma (HHC), suggesting that these proteins could be useful as prognostic factors and therapeutic targets in HCC. Defects in this gene are a cause of neurofibromatosis type 1-like syndrome (NFLS).

Note: This product is for in vitro research use only