

## Rabbit Spred1 Polyclonal Antibody | anti-SPRED1 antibody

Spred1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA40337  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

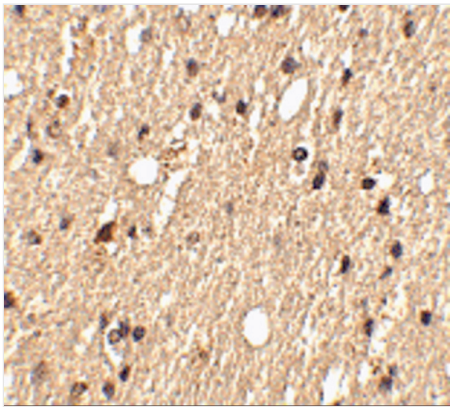
### PRODUCT SYNONYMS

Spred1; Polyclonal Antibody; Spred1 Antibody; NFLS; hSpred1; spread-1; Sprouty-related; EVH1 domain-containing protein 1; Spred-1; sprouty-related; EVH1 domain containing 1; anti-SPRED1 antibody

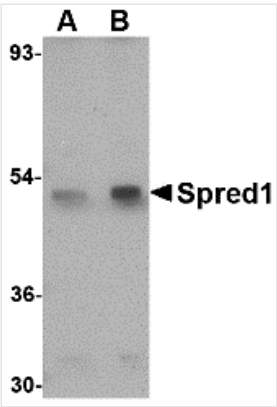
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                              |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                       |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                                                                            |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                   |
| Isotype                                          | IgG                                                                                                                                                                                                                                                          |
| Purity/Purification                              | Spred1 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                      | Liquid                                                                                                                                                                                                                                                       |
| Concentration                                    | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                      |
| Sequence Length                                  | 444                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-SPRED1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                                                         |
| Conjugate                                        | Unconjugated                                                                                                                                                                                                                                                 |
| Immunogen                                        | Spred1 antibody was raised against a 20 amino acid synthetic peptide near the center of the human Spred1.                                                                                                                                                    |
| Buffer                                           | Spred1 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                          | Spred1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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



**IHC (Immunohistochemistry)**  
Immunohistochemistry of Spred1 in human brain tissue with Spred1 antibody at 2.5 &#956;g/mL.



**WB (Western Blot)**  
Western blot analysis of Spred1 in mouse brain tissue lysate with Spred1 antibody at (A) 1 and (B) 2 &#956;g/mL.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Related Product Information for anti-SPRED1 antibody</b> | Spred1 Antibody: 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 (HCC), 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). This Spred1 antibody is predicted to have no cross-reactivity to Spred2 or Spred3. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 22749221                                                                                                                            |
| NCBI GeneID                      | 161742                                                                                                                              |
| NCBI Accession #                 | NP_689807                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_152594.2                                                                                                                         |
| UniProt Accession #              | Q7Z699; Q05D53; Q8N256; B2RPJ8                                                                                                      |
| Molecular Weight                 | 50,477 Da                                                                                                                           |
| NCBI Official Full Name          | sprouty-related, EVH1 domain-containing protein 1                                                                                   |
| NCBI Official Synonym Full Names | sprouty-related, EVH1 domain containing 1                                                                                           |
| NCBI Official Symbol             | SPRED1                                                                                                                              |
| NCBI Official Synonym Symbols    | NFLS; hSpred1; spred-1; PPP1R147                                                                                                    |
| NCBI Protein Information         | sprouty-related, EVH1 domain-containing protein 1; suppressor of Ras/MAPK activation; protein phosphatase 1, regulatory subunit 147 |
| UniProt Protein Name             | Sprouty-related, EVH1 domain-containing protein 1                                                                                   |
| UniProt Gene Name                | <b>SPRED1</b>                                                                                                                       |
| UniProt Synonym Gene Names       | Spred-1; hSpred1                                                                                                                    |
| UniProt Entry Name               | SPRE1_HUMAN                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/spred1-antibody-immunohistochemistry-western-blot-elisa/40337>