

Datasheet for ABIN500796  
**anti-SPRED1 antibody (Center)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.1 mg
Target:	SPRED1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPRED1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Spred1 antibody was raised against a 20 amino acid peptide near the center of the human Spred1.
Isotype:	IgG
Specificity:	This antibody detects SPRED1 at center. It is predicted to have no cross-reactivity to Spred2 or Spred3.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

## Target Details

Target:	SPRED1
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## Target Details

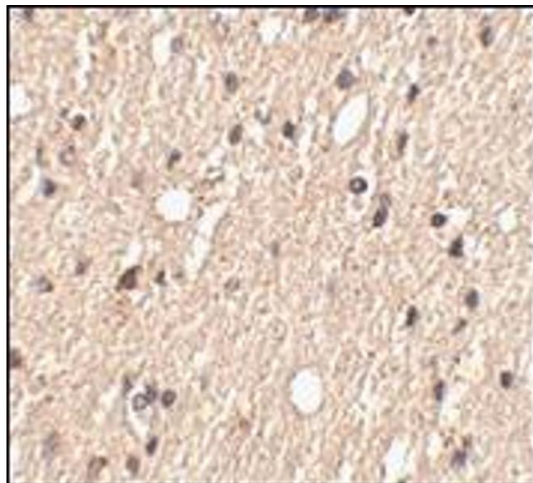
Alternative Name:	SPRED1 ( <a href="#">SPRED1 Products</a> )
Background:	<p>The Ras-MAP kinase pathway is essential for the differentiation of neuronal cells and myocytes, it is inhibited by Spred1, a member of the Sprouty family of proteins. Spred1 acts by suppressing the phosphorylation and activation 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).Synonyms: EVH1/Sprouty domain containing protein, NFLS, Spred-1, Suppressor of Ras/MAPK activation</p>
Gene ID:	161742
NCBI Accession:	<a href="#">NP_689807</a>
Pathways:	<a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

Application Notes:	<p>ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

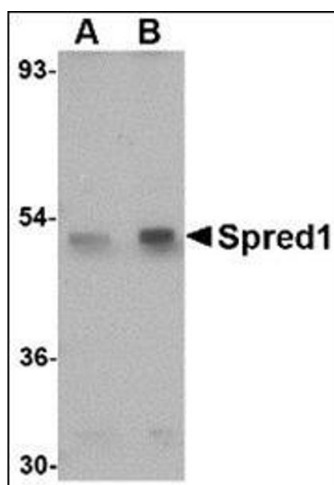
## Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of Spred1 in human brain tissue with this product at 2.5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of Spred1 in mouse brain tissue lysate with this product at (A) 1 and (B) 2 µg/ml.