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Datasheet for ABIN6990996

**anti-SPRED1 antibody (AA 250-300)**

## Overview

Quantity:	0.1 mg
Target:	SPRED1
Binding Specificity:	AA 250-300
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPRED1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	Spred1 antibody was raised against a 14 amino acid synthetic peptide near the center of the human Spred1. The immunogen is located within amino acids 250 - 300 of Spred1.
Isotype:	IgG
Specificity:	This Spred1 antibody is predicted to have no cross-reactivity to Spred2 or Spred3.
Purification:	Spred1 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	SPRED1
Alternative Name:	Spred1 ( <a href="#">SPRED1 Products</a> )

## Target Details

Background:	<p>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 (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).</p>
Molecular Weight:	<p>Predicted: 49 kDa</p> <p>Observed: 498 kDa</p>
Gene ID:	161742
NCBI Accession:	<a href="#">NP_689807</a>
UniProt:	<a href="#">Q7Z699</a>
Pathways:	<a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

Application Notes:	<p>Spred1 antibody can be used for detection of Spred1 by Western blot at 1 - 2 <math>\mu</math>g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 <math>\mu</math>g/mL. For immunofluorescence start at 20 <math>\mu</math>g/mL.</p> <p>Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Spred1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

## Handling

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	Spred1 antibody can be stored at 4°C for three months and -20°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.