

Datasheet for ABIN500800

**anti-SPRED2 antibody (Center)**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.1 mg
Target:	SPRED2
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPRED2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Spred2 antibody was raised against a 13 amino acid peptide near the center of the human Spred2.
Isotype:	IgG
Specificity:	This antibody detects SPRED2. It is predicted to have no cross-reactivity to Spred1 or Spred3.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography

## Target Details

Target:	SPRED2
Alternative Name:	SPRED2 ( <a href="#">SPRED2 Products</a> )

## Target Details

**Background:** Spred2 is a member of the Sprouty family, a group of proteins that act as negative regulators during development. Like Spred1, Spred2 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. At least two isoforms of Spred2 are known to exist. **Synonyms:** MGC163164, Spred-2, Sprouty-related EVH1 domain containing 2

**Gene ID:** 200734

**NCBI Accession:** [NP\\_861449](#)

## Application Details

**Application Notes:** ELISA. Western blot: 1 - 2 µg/mL.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Buffer:** PBS containing 0.02 % sodium azide

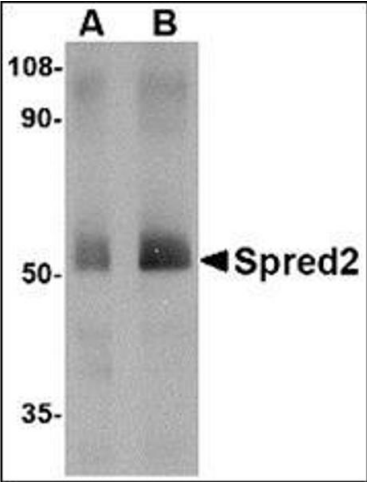
**Preservative:** Sodium azide

**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.



Western Blotting

**Image 1.** Western blot analysis of Spred2 in human small intestine tissue lysate with this product at (A) 1 and (B) 2  $\mu$ g/ml.