

Datasheet for 600-401-ET8**Spred2 Antibody****Overview**

Description:	Anti-Spred2 (RABBIT) Antibody - 600-401-ET8
Item No.:	600-401-ET8
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product 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 (HCC), 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:	Spred2 Antibody, Spred-2, Sprouty-related, EVH1 domain-containing protein 2, Spred-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SPRED2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Spred2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide near the internal region of the human Spred2.

Purity/Specificity: Anti-Spred2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This Spred2 antibody is predicted to have no cross-reactivity to Spred1 or Spred3.

Relevant Links:

- [UniProtKB - Q7Z698](#)
- [GeneID - 200734](#)
- [NCBI - NP_001121682.1](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Spred2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 50 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

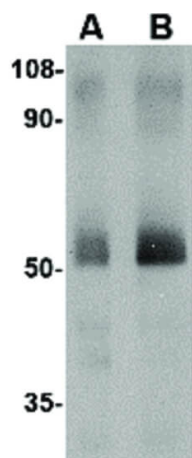
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Spred2 antibody. Lane A: Human small intestine tissue lysate at 1 $\mu\text{g/mL}$. Lane B: Human small intestine tissue lysate at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 51.3 kDa, ~51 kDa for Spred2.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.