

**Datasheet for 600-401-EU1****SPRYD3 Antibody****Overview**

|                      |                                             |
|----------------------|---------------------------------------------|
| <b>Description:</b>  | Anti-SPRYD3 (RABBIT) Antibody - 600-401-EU1 |
| <b>Item No.:</b>     | 600-401-EU1                                 |
| <b>Size:</b>         | 100 µg                                      |
| <b>Applications:</b> | ELISA, IF, IHC, WB                          |
| <b>Reactivity:</b>   | Human, Mouse, Rat                           |
| <b>Host Species:</b> | Rabbit                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | The SPRY domain-containing protein 3 (SPRYD3) is a member of a family of proteins whose sole common characteristic is the presence of a SPRY domain. SPRY domains are structural domains that were first described in the fungal <i>Dictyostelium discoideum</i> tyrosine kinase spore lysis A. In most systems SPRY domains provide binding sites for regulatory proteins or intramolecular binding sites that maintain the structural integrity of a protein. Little is known of the function of the SPRYD3 protein. |
| <b>Synonyms:</b>     | SPRYD3 Antibody, SPRY domain-containing protein 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                        |                                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | SPRYD3                                                                                                                                                                        |
| <b>Reactivity:</b>     | Human, Mouse, Rat                                                                                                                                                             |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                            |
| <b>Immunogen:</b>      | Anti-SPRYD3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the internal region of human SPRYD3. |

**Purity/Specificity:** Anti-SPRYD3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SPRYD3 antibody is predicted to not cross-react with other SPRYD protein family members. At least two isoforms of SPRYD3 are known to exist.

**Relevant Links:**

- [UniProtKB - Q8NCJ5](#)
- [GeneID - 84926](#)
- [NCBI - NP\\_116229.1](#)

## Application Details

**Tested Applications:** ELISA, IF, IHC, WB

**Application Note:** Anti-SPRYD3 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. 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

**IF:** 20 µg/mL

**IHC:** 5 µg/mL

**WB:** 1 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

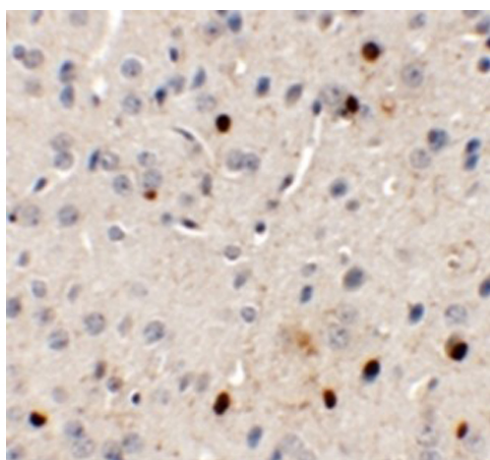
## Shipping & Handling

**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

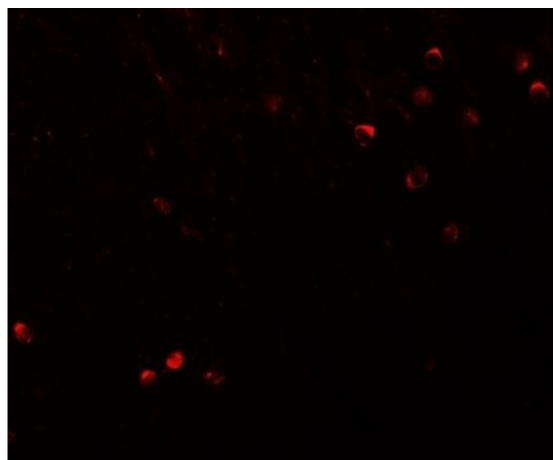


### Immunohistochemistry

Immunohistochemistry of SPRYD3.

Tissue: mouse brain tissue.

Primary Antibody: SPRYD3 antibody at 5 µg/mL.

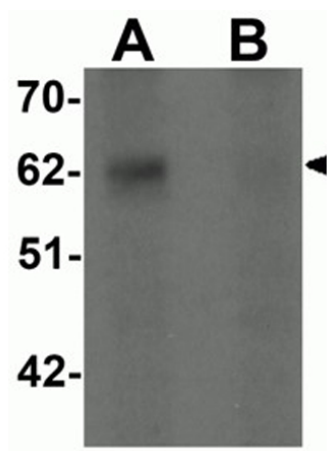


### Immunofluorescence Microscopy

Immunofluorescence of SPRYD3.

Tissue: mouse brain tissue.

Primary Antibody: SPRYD3 antibody at 20 µg/mL.

**Western Blot**

Western blot analysis of SPRYD3. Load: human brain tissue lysate.

Primary Antibody: SPRYD3 antibody at 1  $\mu\text{g/mL}$  in (A) the absence and (B) the presence of blocking peptide.

**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.