Datasheet for 600-401-EU2

# SPRYD4 Antibody

## Overview

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| **Description:** | Anti-SPRYD4 (RABBIT) Antibody - 600-401-EU2 |
| **Item No.:** | 600-401-EU2 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, IF, IHC, WB |
| **Reactivity:** | Human, Mouse, Rat |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | The SPRY domain-containing protein 4 (SPRYD4) 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 Dictyostelium discoideum 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. SPRYD4 is ubiquitously expressed and is most abundant in kidney, brain, bladder, thymus and stomach. Little is known of the function of the SPRYD4 protein. |
| **Synonyms:** | SPRYD4 Antibody, SPRY domain-containing protein 4 |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | SPRYD4 |
| **Reactivity:** | Human, Mouse, Rat |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | Anti-SPRYD4 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the internal region of human SPRYD4. |

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| **Purity/Specificity:** | Anti-SPRYD4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SPRYD4 antibody is predicted to not cross-react with other SPRYD protein family members. At least two isoforms of SPRYD4 are known to exist; this antibody will detect both isoforms. |
| **Relevant Links:** | • UniProtKB - Q8WW59<br>• GeneID - 283377<br>• NCBI - NP_997227.1 |

## Application Details

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| **Tested Applications:** | ELISA, IF, IHC, WB |
| **Application Note:** | Anti-SPRYD4 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 23 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:** | 2.5 µg/mL |
| **WB:** | 1 µg/mL |

## Formulation

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| **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

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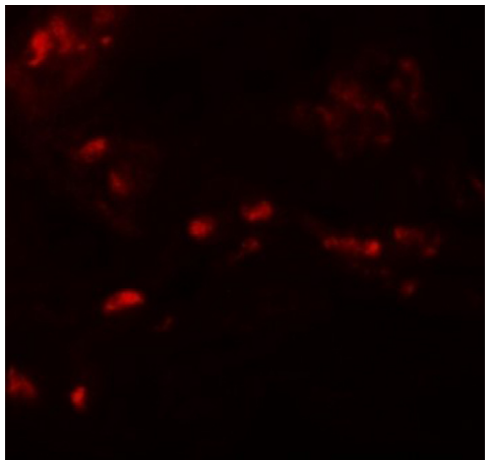
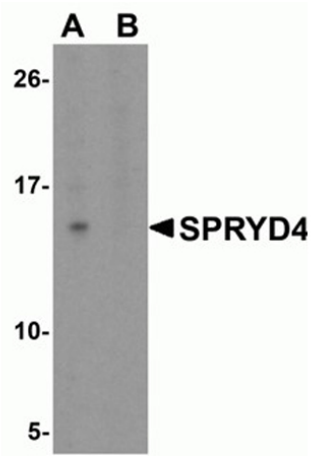
| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |

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

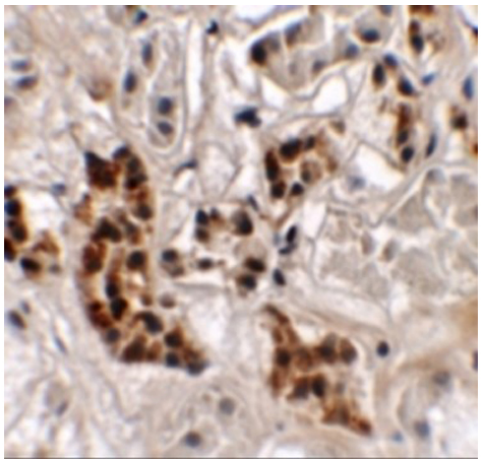
## Images



**Immunofluorescence Microscopy**
Immunofluorescence of SPRYD4.
Tissue: human kidney tissue. Primary Antibody: SPRYD4 antibody at 20 µg/mL.




**Western Blot**
Western blot analysis of SPRYD4. Load: fetal human liver tissue lysate. Primary Antibody: SPRYD4 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide



**Immunohistochemistry**
Immunohistochemistry of SPRYD4.
Tissue: human kidney tissue. Primary Antibody: SPRYD4 antibody at 2.5 µg/mL.

## Disclaimer

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