

# Product Datasheet

## SPRY2 Antibody (1E10) - Azide and BSA Free H00010253-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00010253-M01](http://www.novusbio.com/H00010253-M01)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00010253-M01](http://www.novusbio.com/reviews/destination/H00010253-M01)



**H00010253-M01**

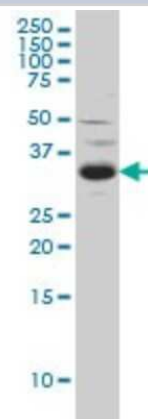
SPRY2 Antibody (1E10) - Azide and BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                             |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clone                       | 1E10                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                     | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity                      | IgG purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Buffer                      | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene ID                     | 10253                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Symbol                 | SPRY2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species                     | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity/Sensitivity     | SPRY2 - sprouty homolog 2 (Drosophila)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                   | SPRY2 (AAH15745.1, 1 a.a. ~ 315 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALTQQVHVLSDLQIRAIRNT<br>NEYTEGPTVVPRPGLKPAPRPSTQHKHERLHGLPEHRQPPRLQHSQVHSSAR<br>APLSRSISTVSSGSRSSSTRSTSSSSSEQRLLGSSFSSGPVADGIIRVQPKSELK<br>PGELKPLSKEDLGLHAYRCEDCGKCKCKECTYPRPLPSDWICDKQCLCSAQN<br>VIDYGTCVCCVKGLFYHCSNDDNDCADNPCSCSQSHCCTRWSAMGVMSLF<br>LPCLWCYLPAKGCLKLCQGCGYDRVNRPGCRCKNSNTVCCKVPTVPPRNFEKP<br>T |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                           |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                            |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                      |
| Application Notes           | Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.                                                                                                                                                                                                                                                                                                       |

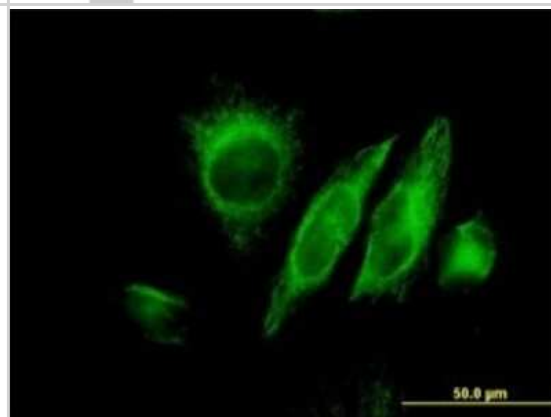


## Images

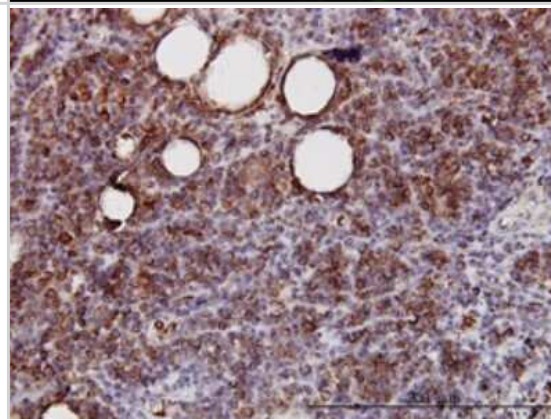
Western Blot: SPRY2 Antibody (1e10) [H00010253-M01] - SPRY2 monoclonal antibody (M01), clone 1E10 Analysis of SPRY2 expression in C32.



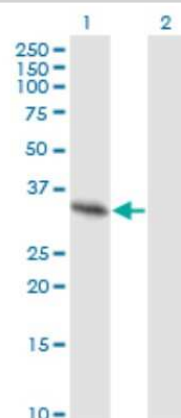
Immunocytochemistry/Immunofluorescence: SPRY2 Antibody (1e10) [H00010253-M01] - Analysis of monoclonal antibody to SPRY2 on HeLa cell. Antibody concentration 25 ug/ml.



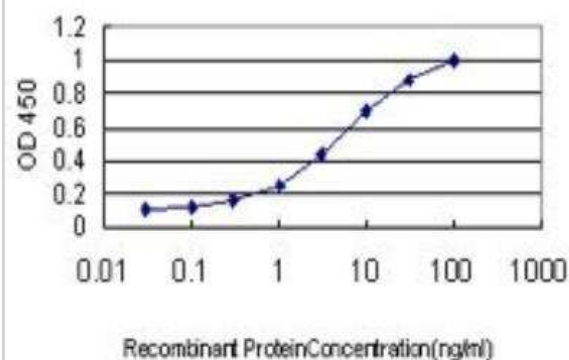
Immunohistochemistry-Paraffin: SPRY2 Antibody (1e10) [H00010253-M01] - Analysis of monoclonal antibody to SPRY2 on formalin-fixed paraffin-embedded human lymphoma. Antibody concentration 3 ug/ml.



Western Blot: SPRY2 Antibody (1e10) [H00010253-M01] - Analysis of SPRY2 expression in transfected 293T cell line by SPRY2 monoclonal antibody (M01), clone 1E10. Lane 1: SPRY2 transfected lysate (34.7 KDa). Lane 2: Non-transfected lysate.



ELISA: SPRY2 Antibody (1e10) [H00010253-M01] - Detection limit for recombinant GST tagged SPRY2 is approximately 0.1ng/ml as a capture antibody.



## Publications

Lee CT, Chu CA, Wang YM et al. Dual role of sprouty2 as an inhibitor of RAS/ERK-driven proliferation and a promoter of cancer invasion in KRAS wild-type colorectal cancer Molecular carcinogenesis 2023-04-04 [PMID: 37014154] (Western Blot)

Moghaddam SM, Amini A, Wei AQ et al. Initial Report on Differential Expression of Sprouty Proteins 1 and 2 in Human Epithelial Ovarian Cancer Cell Lines. J Oncol. 2012-11-29 [PMID: 23251157]

Ordonez-Moran P, Irmisch A, Barbachano A et al. SPROUTY2 is a b-catenin and FOXO3a target gene indicative of poor prognosis in colon cancer. Oncogene. 2013-04-29 [PMID: 23624922]

Barbachano A, Ordonez-Moran P et al. SPROUTY-2 and E-cadherin regulate reciprocally and dictate colon cancer cell tumourigenicity. Oncogene. 2010-06-14 [PMID: 20543868]





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00010253-M01**

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg   | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| H00010253-P01-10ug | Recombinant Human SPRY2 GST (N-Term) Protein            |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00010253-M01](http://www.novusbio.com/reviews/submit/H00010253-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

