

# Product Datasheet

## Plakophilin 1 Antibody (10B2) [DyLight 680] NBP2-54526FR

Unit Size: 100 ul

Store at 4C in the dark.

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



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

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-54526FR](http://www.novusbio.com/NBP2-54526FR)

Updated 10/26/2023 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/NBP2-54526FR](http://www.novusbio.com/reviews/destination/NBP2-54526FR)



**NBP2-54526FR**

Plakophilin 1 Antibody (10B2) [DyLight 680]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | 10B2                                                                                        |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG1 Kappa                                                                                  |
| Conjugate           | DyLight 680                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene ID                 | 5317                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Symbol             | PKP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species                 | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity/Sensitivity | Recognizes a protein of 75kDa, identified as Plakophilin-1. Its epitope maps between aa 1-27 human Plakophilin-1. Plakophilins 1, 2, 3 and 4 (PKP1-4) influence development and participate in linking cadherins to cytoskeletal intermediate filaments. Plakophilins 1-4 contain arm-repeat (armadillo) domains and localize to nuclei and cell desmosomes (cell-cell junctions found in suprabasal layers of stratifying epithelia that undergo mechanical stress). Plakophilin 2 is important for desmosome assembly and is an essential morphogenic factor and architectural component of the heart. |
| Immunogen               | N-terminus of human Plakophilin 1 protein (Uniprot: Q13835)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Product Application Details |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, CyTOF-ready |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.            |



**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  
novus@novusbio.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  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

**Products Related to NBP2-54526FR**

---

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| NBP1-43319FR-0.5ml | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 680] |
| H00005317-Q01-10ug | Recombinant Human Plakophilin 1 GST (N-Term) Protein        |
| NBP2-10739         | Plakophilin 1 Overexpression Lysate                         |
| NBP1-54467         | beta-Catenin Antibody (12F7) - BSA Free                     |

---

**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/NBP2-54526FR](http://www.novusbio.com/reviews/submit/NBP2-54526FR)

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

