

# Product Datasheet

## Plexin B2 Antibody (PSH03-48) NBP3-32828

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32828**

Plexin B2 Antibody (PSH03-48)

| Product Information     |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| Unit Size               | 100 ul                                                                                 |
| Concentration           | 1 mg/ml                                                                                |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                                                                             |
| Clone                   | PSH03-48                                                                               |
| Preservative            | 0.05% Sodium Azide                                                                     |
| Isotype                 | IgG                                                                                    |
| Purity                  | Protein A purified                                                                     |
| Buffer                  | PBS (pH7.4), 0.1% BSA and 40% Glycerol                                                 |
| Target Molecular Weight | 205 kDa                                                                                |

| Product Description |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Host                | Rabbit                                                                           |
| Gene ID             | 23654                                                                            |
| Gene Symbol         | PLXNB2                                                                           |
| Species             | Human                                                                            |
| Immunogen           | Recombinant protein within human Plexin B2 aa 1-1,250 / 1,838. (Uniprot: O15031) |

| Product Application Details |                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry                     |
| Recommended Dilutions       | Western Blot 1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:2000 |



## Images

Western Blot: Plexin B2 Antibody (PSH03-48) [NBP3-32828] - Western blot analysis of Plexin B2 on different lysates with Rabbit anti-Plexin B2 antibody (NBP3-32828) at 1/2,000 dilution.

Lane 1: LNCaP cell lysate  
 Lane 2: 293T cell lysate  
 Lane 3: HeLa cell lysate  
 Lane 4: U-87 MG cell lysate  
 Lane 5: HepG2 cell lysate  
 Lane 6: K-562 cell lysate  
 Lane 7: Jurkat cell lysate  
 Lane 8: MCF7 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 205 kDa  
 Observed band size: 170/240 kDa

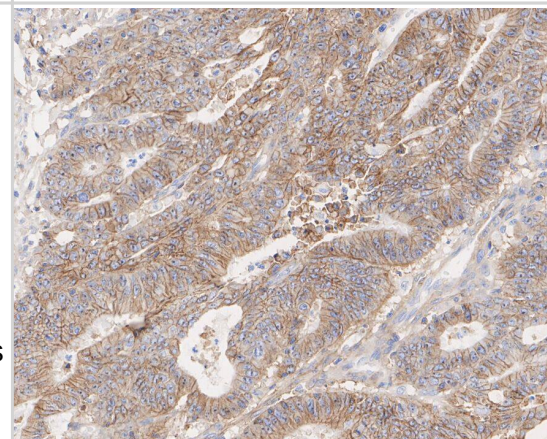
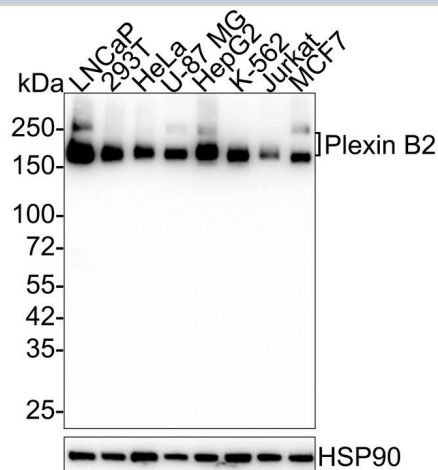
Exposure time: 43 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32828) at 1/2,000 dilution was used in 5% NFDM/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: Plexin B2 Antibody (PSH03-48) [NBP3-32828] - Immunohistochemical analysis of paraffin-embedded human colon cancer tissue with Rabbit anti-Plexin B2 antibody (NBP3-32828) at 1/2,000 dilution.

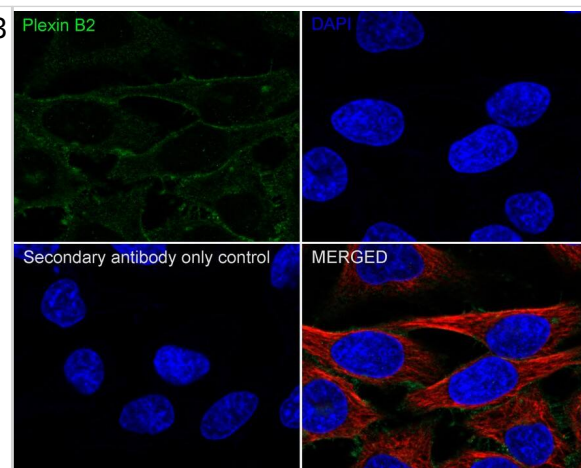
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32828) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: Plexin B2 Antibody (PSH03-48) [NBP3-32828] - Immunocytochemistry analysis of HeLa cells labeling Plexin B2 with Rabbit anti-Plexin B2 antibody (NBP3-32828) at 1/100 dilution.

Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Plexin B2 antibody (NBP3-32828) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-32828**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-89620PEP | Plexin B2 Recombinant Protein Antigen               |

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### **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.

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