

# Product Datasheet

## Gephyrin/GPHN Antibody - BSA Free NBP2-16641

Unit Size: 0.1 ml

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

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**NBP2-16641**

Gephyrin/GPHN Antibody - BSA Free

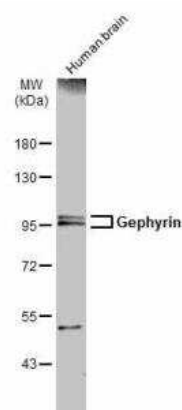
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	80 kDa

Product Description	
Description	Novus Biologicals Rabbit Gephyrin/GPHN Antibody - BSA Free (NBP2-16641) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10243
Gene Symbol	GPHN
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (99%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Gephyrin/GPHN. The exact sequence is proprietary.

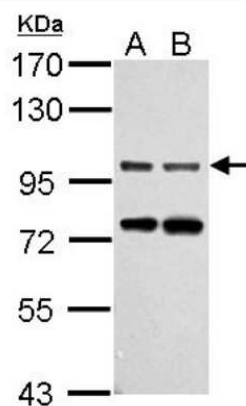
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000

**Images**

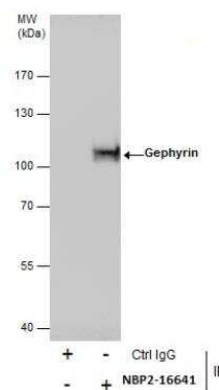
Western Blot: Gephyrin/GPHN Antibody [NBP2-16641] - Human tissue extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Gephyrin antibody [N2C1], Internal diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: Gephyrin/GPHN Antibody [NBP2-16641] - Sample (30 ug of whole cell lysate) A: NIH-3T3 B: JC 7. 5% SDS PAGE gel, diluted at 1:1000.



Immunoprecipitation: Gephyrin/GPHN Antibody [NBP2-16641] - A431 whole cell extracts using 5 ug of Gephyrin antibody [N2C1], Internal. Western blot analysis was performed using Gephyrin antibody [N2C1], Internal. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



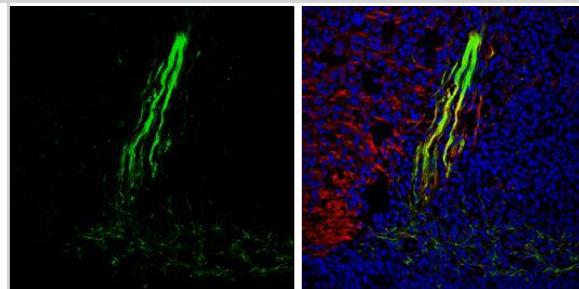
Gephyrin antibody [N2C1], Internal detects Gephyrin protein expression by immunohistochemical analysis.

Sample: Frozen sectioned E13.5 Rat brain.

Green: Gephyrin protein stained by Gephyrin antibody [N2C1], Internal (NBP2-16641) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:500.

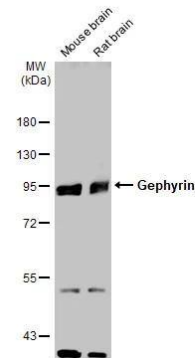
Blue: Fluoroshield with DAPI .



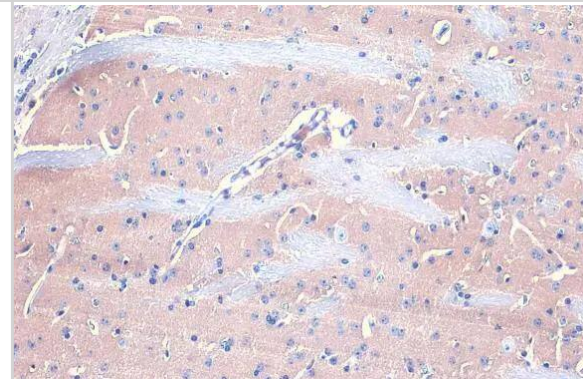
Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Gephyrin antibody [N2C1], Internal (NBP2-16641) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



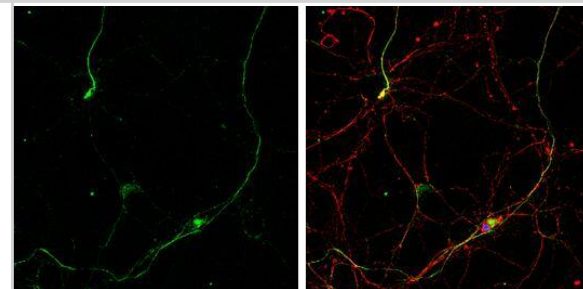
Various tissue extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Gephyrin antibody [N2C1], Internal (NBP2-16641) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Gephyrin antibody [N2C1], Internal detects Gephyrin protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse brain. Gephyrin stained by Gephyrin antibody [N2C1], Internal (NBP2-16641) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Gephyrin antibody [N2C1], Internal detects Gephyrin protein by immunofluorescent analysis. Sample: DIV10 rat E18 primary hippocampal neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: Gephyrin protein stained by Gephyrin antibody [N2C1], Internal (NBP2-16641) diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] diluted at 1:500. Blue: Fluoroshield with DAPI .





### **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 NBP2-16641**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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