

# Product Datasheet

## GNB1 Antibody - BSA Free

### NBP2-16699

Unit Size: 0.1 ml

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)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-16699](http://www.novusbio.com/NBP2-16699)

Updated 9/9/2025 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/NBP2-16699](http://www.novusbio.com/reviews/destination/NBP2-16699)



**NBP2-16699**

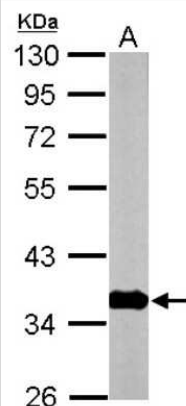
GNB1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	37 kDa
Product Description	
<b>Description</b>	Novus Biologicals Rabbit GNB1 Antibody - BSA Free (NBP2-16699) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2782
<b>Gene Symbol</b>	GNB1
<b>Species</b>	Human, Mouse, Rat, Zebrafish
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: <i>Xenopus laevis</i> (96%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human GNB1. The exact sequence is proprietary.
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Proximity Ligation Assay, Immunohistochemistry Whole-Mount
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent, Proximity Ligation Assay Assay dependent, Immunohistochemistry Whole-Mount Assay dependent

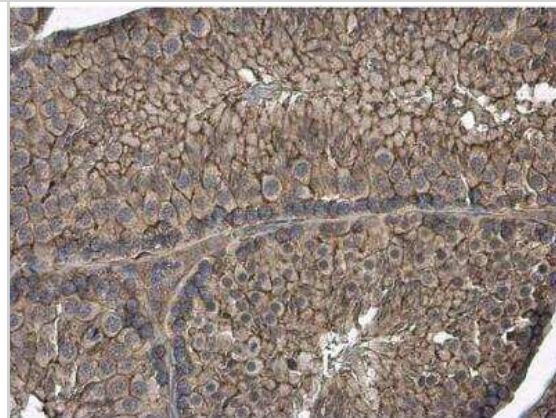


## Images

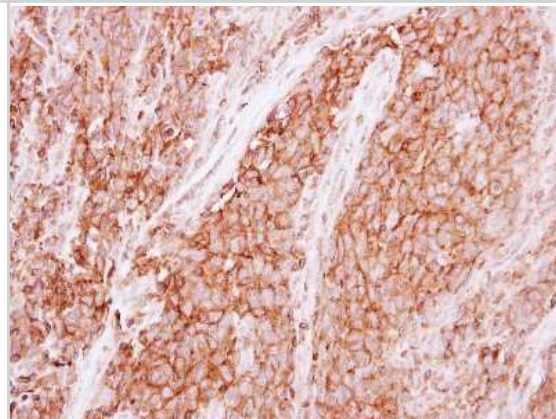
Western Blot: GNB1 Antibody [NBP2-16699] - Sample (50 ug of whole cell lysate) A: Mouse Brain, 10% SDS PAGE gel, diluted at 1:10000.



Immunohistochemistry-Paraffin: GNB1 Antibody [NBP2-16699] - Mouse testis. GNB1 antibody diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



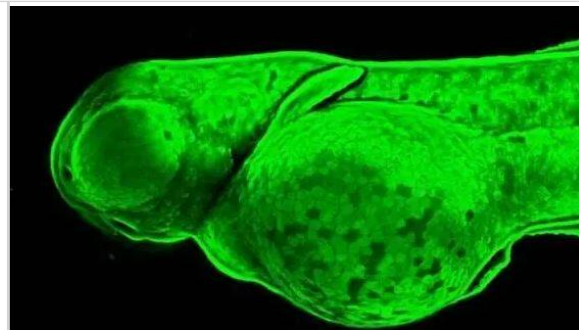
Immunohistochemistry-Paraffin: GNB1 Antibody [NBP2-16699] - Human lung papillary adenocarcinoma, using GNB1 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



Immunoprecipitation: GNB1 Antibody [NBP2-16699] - Immunoprecipitation of GNB1 protein from 293T whole cell extracts using 5 ug of GNB1 antibody. Western blot analysis was performed using GNB1 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



Immunohistochemistry Whole-Mount:GNB1 Antibody [NBP2-16699] - Analysis (whole mount) of zebrafish embryo, using GNB1 antibody at 1:200 dilution.



Various tissue extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GNB1 antibody (NBP2-16699) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

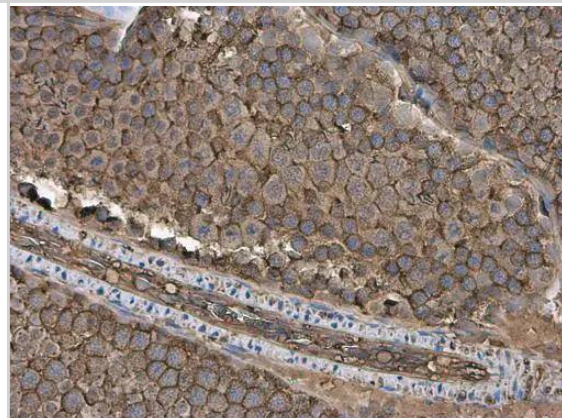


GNB1 antibody detects GNB1 protein at cell membrane in rat testis by immunohistochemical analysis.

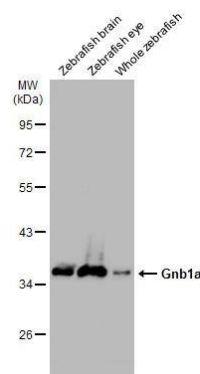
Sample: Paraffin-embedded rat testis.

GNB1 antibody (NBP2-16699) diluted at 1:1000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Various tissue extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GNB1 antibody (NBP2-16699) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

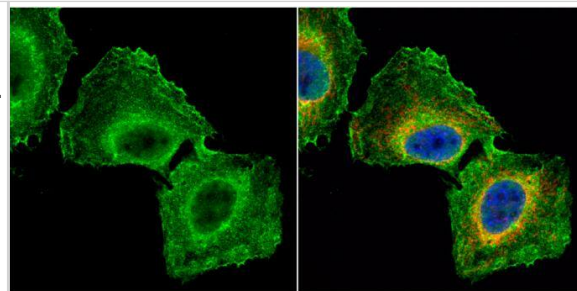


GNB1 antibody detects GNB1 protein at cytoplasm by immunofluorescent analysis.  
 Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

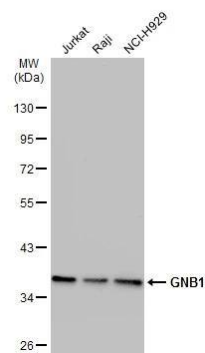
Green: GNB1 protein stained by GNB1 antibody (NBP2-16699) diluted at 1:500.

Red: FIS1, a mitochondria marker, stained by FIS1 antibody [GT9810] diluted at 1:20000.

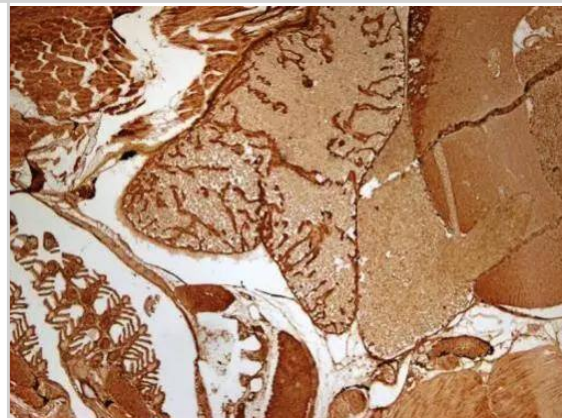
Blue: Hoechst 33342 staining.



Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GNB1 antibody (NBP2-16699) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunohistochemical analysis of paraffin-embedded zebrafish tissue, using GNB1 antibody (NBP2-16699) at 1:300 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 NBP2-16699**

---

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

---

### **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/NBP2-16699](http://www.novusbio.com/reviews/submit/NBP2-16699)

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

