

# Product Datasheet

## Guanylyl Cyclase beta 1 Antibody (508D9) NBP3-16248-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-16248-100ul**

Guanylyl Cyclase beta 1 Antibody (5O8D9)

**Product Information**

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 100 ul                                                                                      |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at -20C. Avoid freeze-thaw cycles.                                                    |
| <b>Clonality</b>     | Monoclonal                                                                                  |
| <b>Clone</b>         | 5O8D9                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                          |
| <b>Isotype</b>       | IgG                                                                                         |
| <b>Purity</b>        | Affinity purified                                                                           |
| <b>Buffer</b>        | PBS (pH 7.3), 50% glycerol, 0.05% BSA                                                       |

**Product Description**

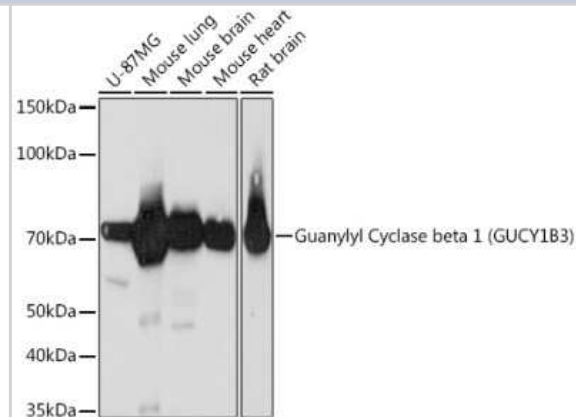
|                    |                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Rabbit                                                                                                                                                                                                                          |
| <b>Gene ID</b>     | 2983                                                                                                                                                                                                                            |
| <b>Gene Symbol</b> | GUCY1B1                                                                                                                                                                                                                         |
| <b>Species</b>     | Human, Mouse, Rat                                                                                                                                                                                                               |
| <b>Immunogen</b>   | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Guanylyl Cyclase beta 1 (Q02153).<br>MYGFVNHALELLVIRNYGPEVWEDIKKEAQLDEEGQFLVRIIYDDSKTYDLVAA<br>ASKVLNLNAGEILQMFGKMFFVFCQESGYDTILRVLGSNVREFLQN |

**Product Application Details**

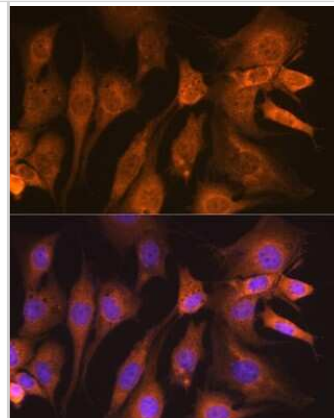
|                              |                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                          |
| <b>Recommended Dilutions</b> | Western Blot 1:500 - 1:1000, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunohistochemistry-Paraffin |

**Images**

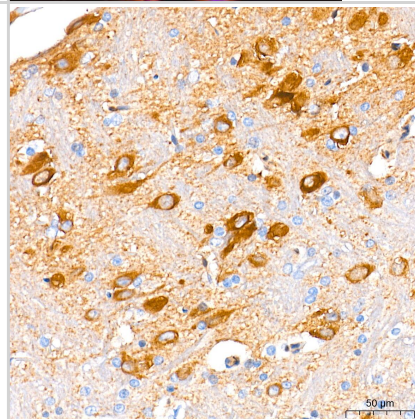
Western Blot: Guanylyl Cyclase beta 1 Antibody (5O8D9) [NBP3-16248]  
- Analysis of extracts of various cell lines, using Guanylyl Cyclase beta 1 (GUCY1B3) Rabbit mAb (NBP3-16248) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.



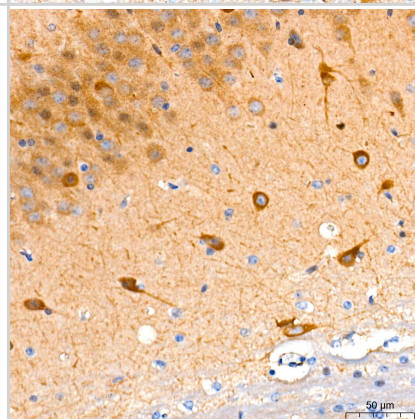
Immunocytochemistry/Immunofluorescence: Guanylyl Cyclase beta 1 Antibody (5O8D9) [NBP3-16248] - Immunofluorescence analysis of NIH-3T3 cells using Guanylyl Cyclase beta 1 (GUCY1B3) Rabbit mAb (NBP3-16248) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



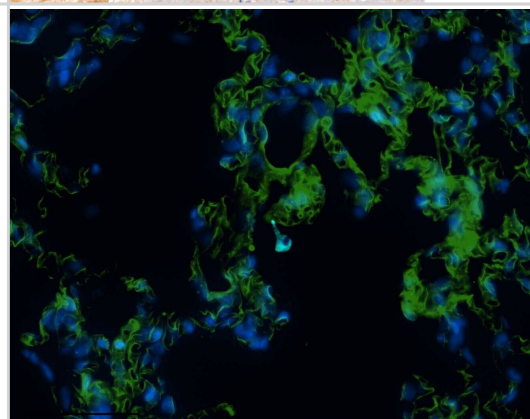
Immunohistochemistry: Guanylyl Cyclase beta 1 Antibody (5O8D9) [NBP3-16248] - Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Guanylyl Cyclase beta 1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry: Guanylyl Cyclase beta 1 Antibody (5O8D9) [NBP3-16248] - Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Guanylyl Cyclase beta 1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Native rat lung stained for CD31 (green), DAPI (blue) and Gucy1b1 (cyan). Image from a verified customer review.



## Publications

Dai Y, Stuehr DJ BAY58-2667 Activates Different Soluble Guanylyl Cyclase Species by Distinct Mechanisms that Indicate Its Principal Target in Cells is the Heme-Free Soluble Guanylyl Cyclase-Heat Shock Protein 90 Complex Molecular pharmacology 2023-05-01 [PMID: 36868790] (IP, WB, Rat, Human)



### **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 NBP3-16248-100ul**

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| HAF008             | Goat anti-Rabbit IgG Secondary Antibody [HRP]                  |
| NB7160             | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]            |
| NBP2-24891         | Rabbit IgG Isotype Control                                     |
| H00002983-P01-10ug | Recombinant Human Guanylyl Cyclase beta 1 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.

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