

# Product Datasheet

## GR/NR3C1 Antibody (C.15200010) - BSA Free NBP2-59202

Unit Size: 50 ug

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

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**NBP2-59202**

GR/NR3C1 Antibody (C.15200010) - BSA Free

**Product Information**

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 50 ug                                                                                       |
| <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>         | C.15200010                                                                                  |
| <b>Preservative</b>  | 0.05% Sodium Azide                                                                          |
| <b>Isotype</b>       | IgG2b                                                                                       |
| <b>Purity</b>        | ammonium sulphate purified                                                                  |
| <b>Buffer</b>        | PBS                                                                                         |

**Product Description**

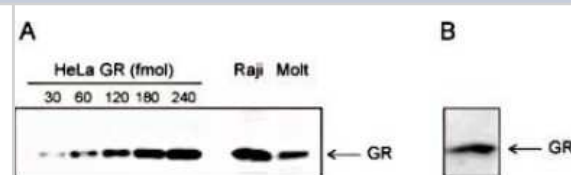
|                    |                                                                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Mouse GR/NR3C1 Antibody (C.15200010) - BSA Free (NBP2-59202) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>        | Mouse                                                                                                                                                                                                                                       |
| <b>Gene ID</b>     | 2908                                                                                                                                                                                                                                        |
| <b>Gene Symbol</b> | NR3C1                                                                                                                                                                                                                                       |
| <b>Species</b>     | Human, Rat                                                                                                                                                                                                                                  |
| <b>Immunogen</b>   | The exact immunogen is proprietary information.                                                                                                                                                                                             |

**Product Application Details**

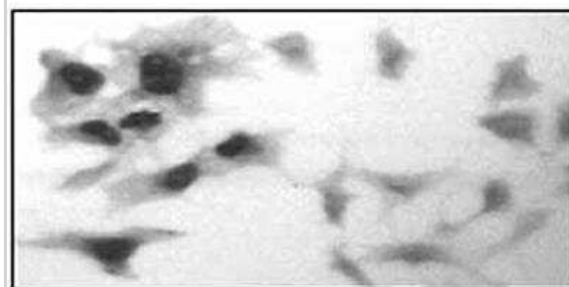
|                              |                                                                                                                                                                                                                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing, Gel Supershift Assay                                                                                  |
| <b>Recommended Dilutions</b> | Western Blot 1 ug/mL, Flow Cytometry 0.5 ug/mL, ELISA 0.5 ug/mL, Immunohistochemistry 2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 2.5 ug/mL, Immunoprecipitation 5 ug/IP, Gel Supershift Assay 5 ug/mL, Chromatin Immunoprecipitation (ChIP) 5 ug/IP, Chromatin Immunoprecipitation Sequencing 5ug/ChIP |

**Images**

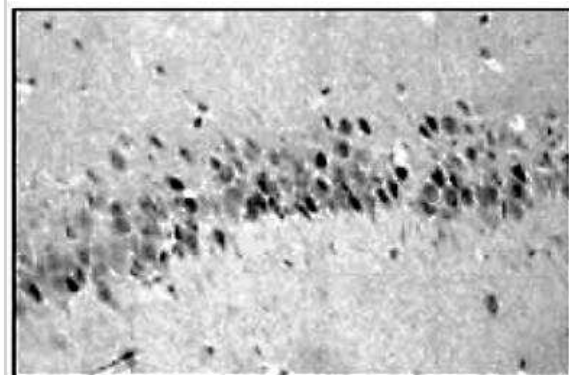
Western Blot: GR/NR3C1 Antibody (C.15200010) [NBP2-59202] - Extracts from HeLa cells containing the indicated amounts of GR (from 30 to 240 fmol), and from 5x10<sup>6</sup> Raji or Molt cells were analyzed by Western blot using the antibody against hGR. Figure B. Analysis of extracts from 300,000 HeLa cells with the antibody against hGR (1 ug/mL).



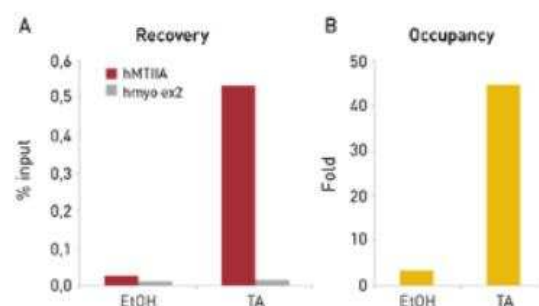
**Immunocytochemistry/Immunofluorescence:** GR/NR3C1 Antibody (C.15200010) [NBP2-59202] - COS-7 cells transiently overexpressing human GR were labeled with the antibody against hGR followed by a biotinylated secondary antibody and peroxidase-labeled avidin. The antibody was used at a concentration of 2.5 ug/mL.



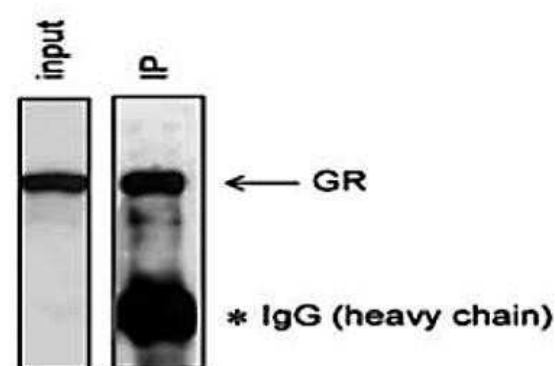
**Immunohistochemistry:** GR/NR3C1 Antibody (C.15200010) [NBP2-59202] - Immunoreactivity of the monoclonal antibody against hGR in rat CA1 neurons of hippocampus. The antibody was used at 2.5 ug/mL.



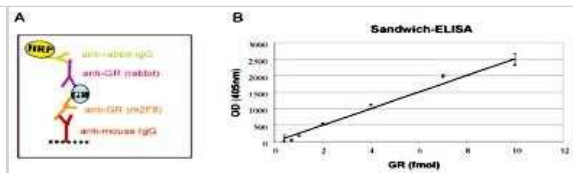
**Chromatin Immunoprecipitation:** GR/NR3C1 Antibody (C.15200010) [NBP2-59202] - ChIP assays were performed using HeLa cells, the monoclonal antibody directed against GR and optimized PCR primer sets for qPCR. The cells were treated either with ethanol (EtOH, used as a negative control) or triamcinolone acetonide (TA) for 4 hours prior to cell harvesting. ChIP was performed using sheared chromatin from 3 million cells and 5 ug of antibody. QPCR was performed with primers for the human metallothionein promoter (hMTIIA) and for exon 2 of the human myoglobin gene (hmyo ex2), used as a negative control. Figure shows the recovery (the relative amount of immunoprecipitated DNA compared to input DNA) and the occupancy (ratio +/- control target). These results demonstrate the occupancy of the human metallothionein IIA promoter by GR.



**Immunoprecipitation:** GR/NR3C1 Antibody (C.15200010) [NBP2-59202] - Immunoprecipitation using the antibody against hGR. The glucocorticoid receptor was immunoprecipitated from HeLa cell extracts (5 million HeLa cells in 100 uL IP reaction solution) using 5 ug of the antibody directed against hGR. The IP was followed by Western blot analysis.



ELISA: GR/NR3C1 Antibody (C.15200010) [NBP2-59202] - Sandwich ELISA The specificity of the antibody directed against hGR was assessed by sandwich ELISA. Figure A: schematic representation of the sandwich ELISA with the monoclonal antibody against hGR. Figure B: ELISA results using the monoclonal antibody against hGR at 0.5 ug/mL. The figure shows an ELISA signal which is proportionally increasing with increasing amounts of recombinant hGR.





### **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 NBP2-59202**

|               |                                                         |
|---------------|---------------------------------------------------------|
| HAF007        | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B       | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP2-27231    | Mouse IgG2b Isotype Control (MPC-11)                    |
| NBP1-89733PEP | GR/NR3C1 Recombinant Protein Antigen                    |

### **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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