

# Product Datasheet

## GR/NR3C1 Antibody NBP2-42221

Unit Size: 0.1 ml

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

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### Publications: 5

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**NBP2-42221****GR/NR3C1 Antibody**

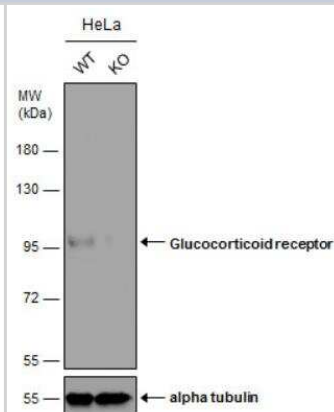
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	86 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	2908
<b>Gene Symbol</b>	NR3C1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Bovine reactivity reported in scientific literature (Ruiz-Conca M et al). Mouse (89%), Rat (87%), Sheep (88%), Canine (87%), Guinea Pig (87%), Porcine (83%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human GR/NR3C1. The exact sequence is proprietary.

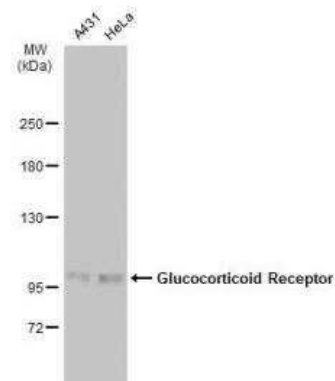
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation Sequencing, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:500-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated, Chromatin Immunoprecipitation Sequencing Reported in scientific literature (PMID:35077705)

**Images**

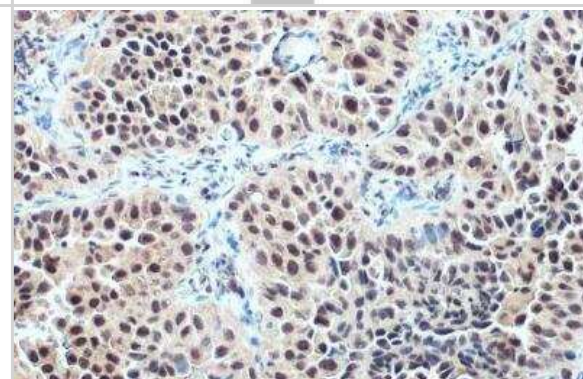
Knockout Validated: GR/NR3C1 Antibody [NBP2-42221] - Wild-type (WT) and Glucocorticoid receptor knockout (KO) HeLa cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Glucocorticoid receptor antibody. HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



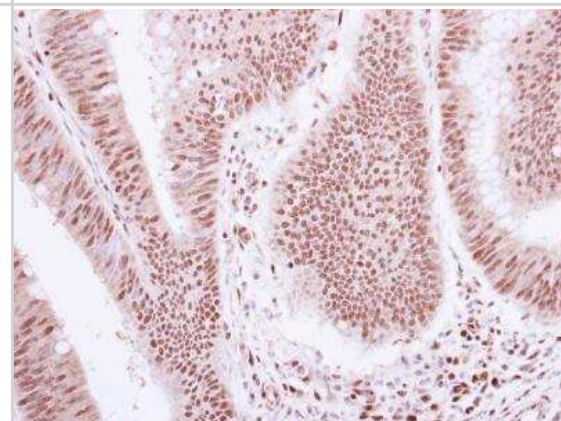
**Western Blot: GR/NR3C1 Antibody [NBP2-42221]** - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Glucocorticoid Receptor antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



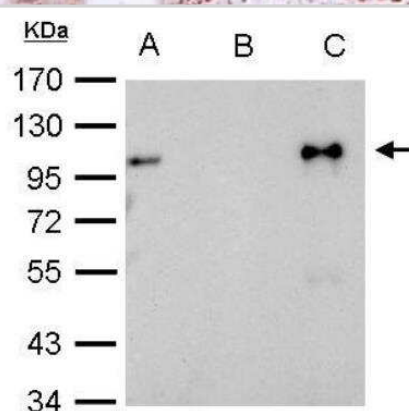
**Immunohistochemistry-Paraffin: GR/NR3C1 Antibody [NBP2-42221]** - Human lung cancer. Glucocorticoid Receptor stained by Glucocorticoid Receptor antibody (GR/NR3C1)



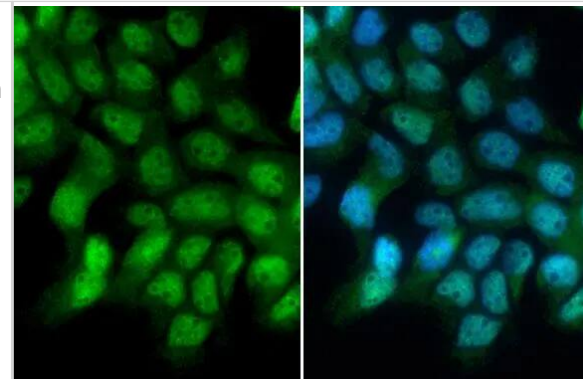
**Immunohistochemistry-Paraffin: GR/NR3C1 Antibody [NBP2-42221]** - Human colon carcinoma, using Glucocorticoid receptor antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



**Immunoprecipitation: GR/NR3C1 Antibody [NBP2-42221]** - Sample: 1000 ug HeLa whole cell lysate/extract A. 40 ug HeLa whole cell lysate/extract B. Control with 2.5 ug of preimmune rabbit IgG C. Immunoprecipitation of Glucocorticoid Receptor beta protein by 2.5 ug of Glucocorticoid Receptor beta antibody. 5% SDS-PAGE. The immunoprecipitated Glucocorticoid Receptor beta protein was detected by Glucocorticoid Receptor beta antibody diluted at 1:1000.



Immunocytochemistry/ Immunofluorescence: GR/NR3C1 Antibody [NBP2-42221] - GR/NR3C1 antibody detects GR/NR3C1 protein at nucleus by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GR/NR3C1 stained by GR/NR3C1 antibody (NBP2-42221) diluted at 1:500. Blue: Fluoroshield with DAPI .



## Publications

Leung C, Kosyk O, Welter E et al. Chronic stress-driven glucocorticoid receptor activation programs key cell phenotypes and functional epigenomic patterns in human fibroblasts iScience 2022-09-01 [PMID: 36065188] (Chemotaxis, Human)

Ruiz-Conca M, Gardela J, Mogas T et al. Apoptosis and glucocorticoid-related genes mRNA expression is modulated by coenzyme Q10 supplementation during in vitro maturation and vitrification of bovine oocytes and cumulus cells Theriogenology 2022-10-01 [PMID: 36063671] (WB, Bovine)

Leung C, Kosyk O, Welter E et al. Naturalistic Glucocorticoid Receptor Activation Programs Key Cell Phenotypes and Functional Epigenomic Patterns in Human Fibroblasts SSRN Electronic Journal

Hoffman JA, Trotter KW, Day CR et al. Multimodal regulatory elements within a hormone-specific super enhancer control a heterogeneous transcriptional response Molecular cell 2022-01-20 [PMID: 35077705] (Chip Cytometry, Human)

Ruiz-Conca M, Gardela J, Alvarez-Rodriguez M et al. Immunofluorescence analysis of NR3C1 receptor following cortisol exposure during bovine in vitro oocyte maturation AETE Abstract 2019-09-12 (ICC/IF, Bovine)





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### **Products Related to NBP2-42221**

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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
NBP1-89733PEP	GR/NR3C1 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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