

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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NBP2-42221

GR/NR3C1 Antibody

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, 1% BSA, 20% Glycerol
Target Molecular Weight	86 kDa
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit GR/NR3C1 Antibody (NBP2-42221) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-GR/NR3C1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2908
Gene Symbol	NR3C1
Species	Human
Reactivity Notes	Bovine reactivity reported in scientific literature (Ruiz-Conca M et al). Mouse (89%), Rat (87%), Sheep (88%), Canine (87%), Guinea Pig (87%), Porcine (83%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human GR/NR3C1. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation Sequencing, Knockout Validated
Recommended Dilutions	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)

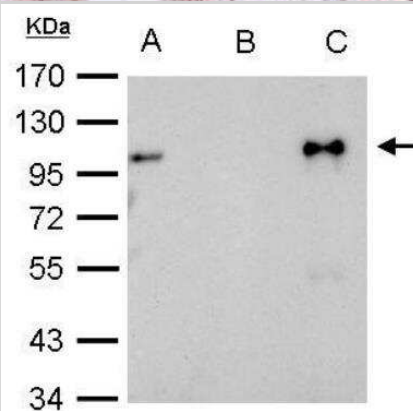


Images

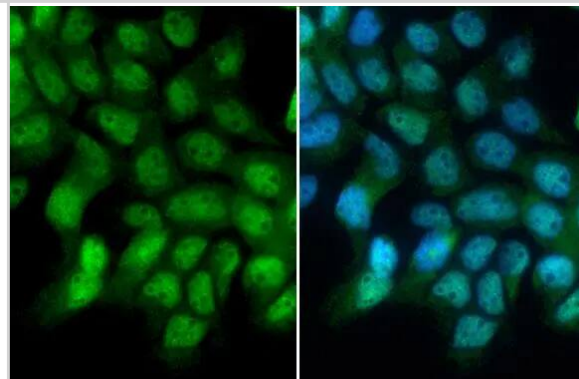
Immunohistochemistry-Paraffin: GR/NR3C1 Antibody [NBP2-42221] - Human colon carcinoma, using Glucocorticoid receptor antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



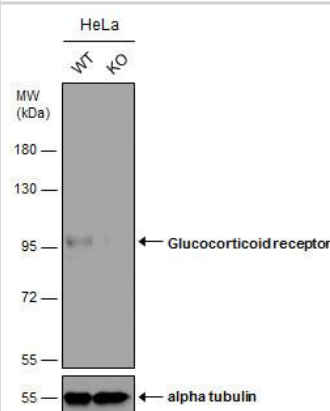
Immunoprecipitation: GR/NR3C1 Antibody [NBP2-42221] - Sample: 1000 ug HeLa whole cell lysate/extract A. 40 ug HeLa whole cell lysate/extract B. Control with 2.5 ug of preimmune rabbit IgG C. Immunoprecipitation of Glucocorticoid Receptor beta protein by 2.5 ug of Glucocorticoid Receptor beta antibody 7. 5% SDS-PAGE The immunoprecipitated Glucocorticoid Receptor beta protein was detected by Glucocorticoid Receptor beta antibody diluted at 1:1000



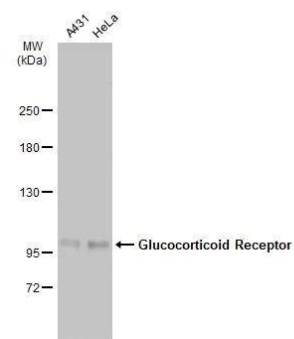
Immunocytochemistry/ Immunofluorescence: GR/NR3C1 Antibody [NBP2-42221] - GR/NR3C1 antibody detects GR/NR3C1 protein at nucleus by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GR/NR3C1 stained by GR/NR3C1 antibody (NBP2-42221) diluted at 1:500.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



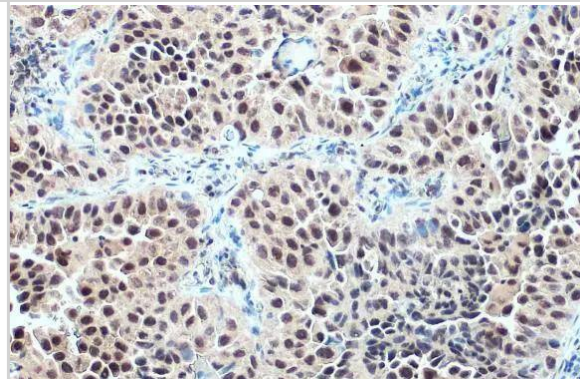
Wild-type (WT) and Glucocorticoid receptor knockout (KO) HeLa cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Glucocorticoid receptor antibody (NBP2-42221) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



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



Glucocorticoid Receptor antibody detects Glucocorticoid Receptor protein at cytoplasm and nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human lung cancer. Glucocorticoid Receptor stained by Glucocorticoid Receptor antibody (GT)



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

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.

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