

For Research Use Only

# Glucocorticoid receptor Recombinant antibody



Catalog Number: 82619-4-RR

## Basic Information

<b>Catalog Number:</b> 82619-4-RR	<b>GenBank Accession Number:</b> BC015610	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2908	<b>CloneNo.:</b> 2F22
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:2000-1:16000 for WB
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 86 kDa	<b>IHC 1:175-1:700</b> <b>IF 1:500-1:2000</b>
<b>Immunogen Catalog Number:</b> AG21146	<b>Observed MW:</b> 94-97 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Species Specificity:**  
Human, Mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, A549 cells, U-251 cells, DU 145 cells, MCF-7 cells, L-929 cells, RAW 264.7 cells

**IP :** HepG2 cells,

**IHC :** human prostate cancer tissue,

**IF :** HepG2 cells,

## Background Information

Glucocorticoid receptor (GR, or GCR) also known as NR3C1 (nuclear receptor subfamily 3, group C, member 1) is a receptor for glucocorticoids, which owns a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE) and as a modulator of other transcription factors. It is involved in cell proliferation and differentiation and specifically implicated in newborn birth weight, thus providing a biological mechanism by which NR3C1 expression may influence birth weight (PMID:22810058).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

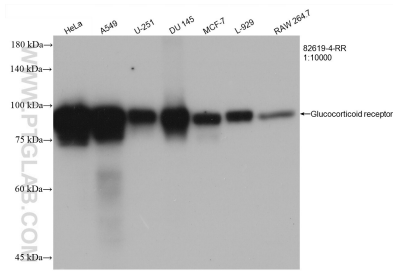
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

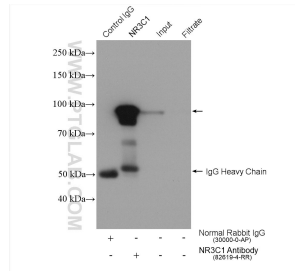
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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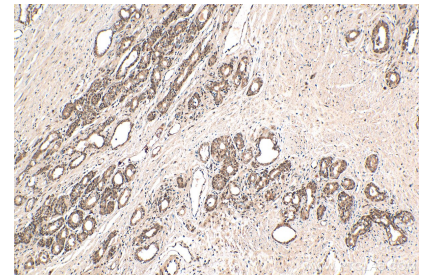
## Selected Validation Data



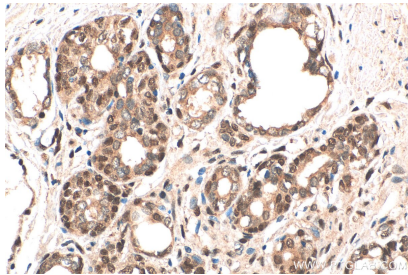
Various lysates were subjected to SDS PAGE followed by western blot with 82619-4-RR (Glucocorticoid receptor antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



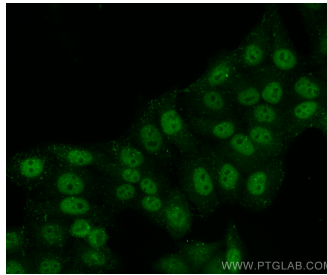
IP result of anti-Glucocorticoid receptor(IP:82619-4-RR, 4ug; Detection:82619-4-RR 1:8000) with HepG2 cells lysate 1920 ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82619-4-RR (Glucocorticoid receptor antibody) at dilution of 1:350 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82619-4-RR (Glucocorticoid receptor antibody) at dilution of 1:350 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Glucocorticoid receptor antibody (82619-4-RR, Clone: 2F22) at dilution of 1:1000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).