

For Research Use Only

# Glucocorticoid receptor Polyclonal antibody

Catalog Number: 24050-1-AP

Featured Product

103 Publications



## Basic Information

### Catalog Number:

24050-1-AP

### Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG21146

### GenBank Accession Number:

BC015610

### GeneID (NCBI):

2908

### UNIPROT ID:

P04150

### Full Name:

nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)

### Calculated MW:

86 kDa

### Observed MW:

94-97 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, chicken, zebrafish, rare minnow

**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**: HEK-293 cells, HeLa cells, HepG2 cells, DU 145 cells, mouse brain tissue, rat brain tissue, PC-12 cells

**IP**: HepG2 cells, mouse heart tissue

**IHC**: human prostate cancer tissue, human ovary tumor tissue

**IF/ICC**: HepG2 cells, A549 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yixuan Wang	36165414	Br J Pharmacol	WB, IF, CoIP
Sheng Hu	36038029	Neurosci Lett	WB
Mehdi Boutagouga Boudjadja	36182699	Curr Biol	IF

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

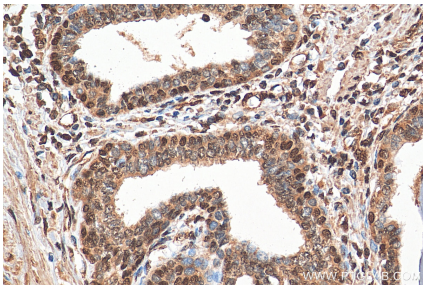
For technical support and original validation data for this product please contact:

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

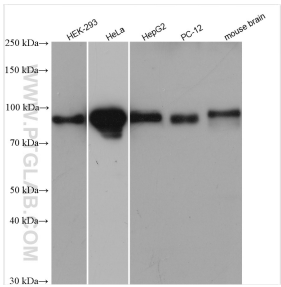
E: proteintech@ptglab.com  
W: ptglab.com

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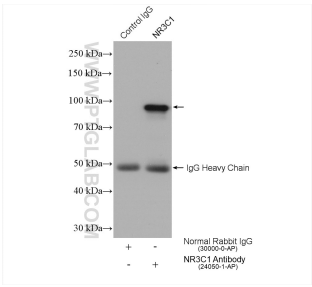
Selected Validation Data



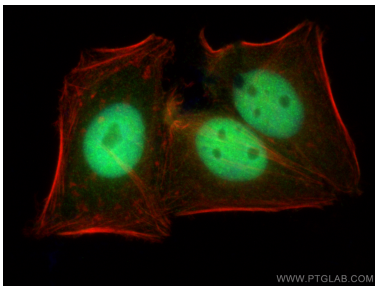
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 24050-1-AP (Glucocorticoid receptor antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 24050-1-AP (Glucocorticoid receptor antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-Glucocorticoid receptor (IP:24050-1-AP, 4ug; Detection:24050-1-AP 1:4000) with HepG2 cells lysate 1720 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Glucocorticoid receptor antibody (24050-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).