

For Research Use Only

Glucocorticoid receptor Polyclonal antibody



Catalog Number: 24050-1-AP

Featured Product

81 Publications

Basic Information

Catalog Number:

24050-1-AP

Size:

150ul, Concentration: 850 µg/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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, Rare minnow, mouse, zebrafish

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 : 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

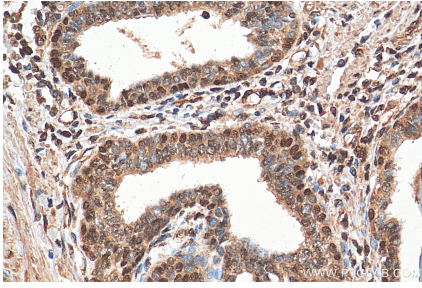
For technical support and original validation data for this product please contact:

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

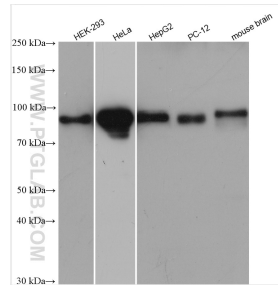
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

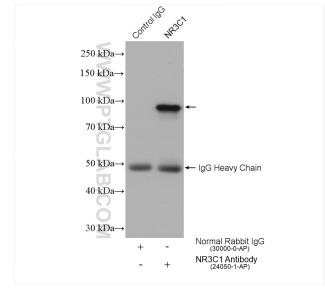
Selected Validation Data



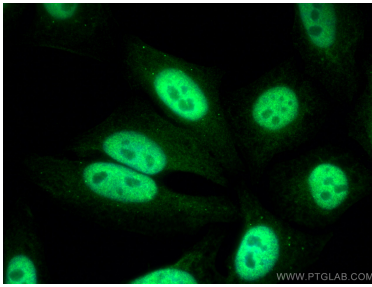
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 24050-1-AP (Glucocorticoid receptor antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



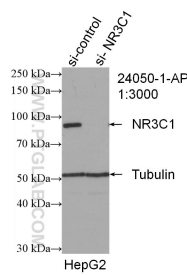
Various lysates were subjected to SDS PAGE followed by western blot with 24050-1-AP (Glucocorticoid receptor antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of Glucocorticoid receptor antibody (24050-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Glucocorticoid receptor transfected HepG2 cells.