

For Research Use Only

Glucocorticoid receptor Polyclonal antibody



Catalog Number: 24050-1-AP

Featured Product

79 Publications

Basic Information

Catalog Number: 24050-1-AP	GenBank Accession Number: BC015610	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop;	GeneID (NCBI): 2908	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:8000
Source: Rabbit	Full Name: nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	for WB IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 86 kDa	
Immunogen Catalog Number: AG21146	Observed MW: 94-97 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: ChIP, CoIP, IF, IHC, IP, WB	WB : HEK-293 cells, HeLa cells, HepG2 cells, DU 145 cells, mouse brain tissue, rat brain tissue, PC-12 cells
Species Specificity: human, mouse, rat	IP : HepG2 cells, mouse heart tissue
Cited Species: human, rat, Rare minnow, mouse	IHC : human prostate cancer tissue, human ovary tumor tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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 Boutagougoua Boudjadja	36182699	Curr Biol	IF

Storage

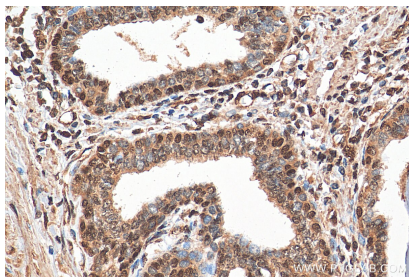
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

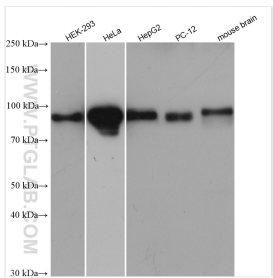
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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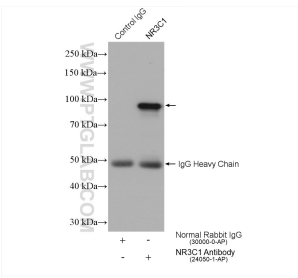
Selected Validation Data



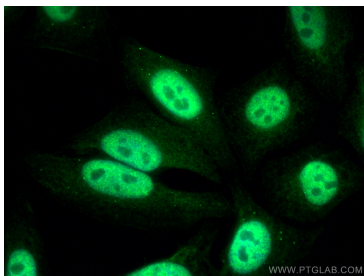
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 24050-1-AP (Glucocorticoid receptor antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



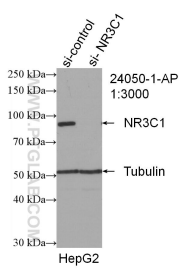
Various lysates were subjected to SDS PAGE followed by western blot with 24050-1-AP (Glucocorticoid receptor antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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 1:200 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.