

For Research Use Only

# NR3C2 Polyclonal antibody

Catalog Number: 21854-1-AP

Featured Product

21 Publications



## Basic Information

**Catalog Number:**

21854-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16410

**GenBank Accession Number:**

BC111758

**GeneID (NCBI):**

4306

**UNIPROT ID:**

P08235

**Full Name:**

nuclear receptor subfamily 3, group C, member 2

**Calculated MW:**

984 aa, 107 kDa

**Observed MW:**

94-110 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

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:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

ChIP, IF, IHC, WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, 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: mouse kidney tissue, HEK-293 cells, HeLa cells

IP: HEK-293 cells,

IHC: human kidney tissue, human colon tissue

IF: HepG2 cells, HEK-293 cells

## Background Information

Nuclear receptor subfamily 3 group C member 2 (NR3C2), also known as Mineralocorticoid receptor (MCR or MR), is a member of the steroid/thyroid /retinoic nuclear hormone receptor superfamily that has been shown to activate gene transcription in response to aldosterone binding. Regulation of the mineralocorticoid receptors occurs through either receptor down-regulation (negative autoregulation) or hormone-mediated upregulation (positive autoregulation). MCR association with HSP 90 appears to be required for hormone binding to MCR and subsequent MCR activation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Chang	36185701	J Renin Angiotensin Aldosterone Syst	IHC,WB
Panpan Qiang	36148244	Front Immunol	WB
Yukang Yuan	34779558	EMBO Rep	WB

## 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

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

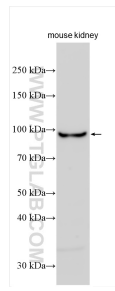
T: 4006900926

E: Proteintech-CN@ptglab.com

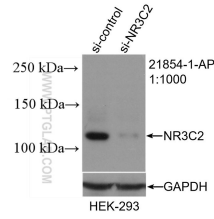
W: ptgcn.com

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

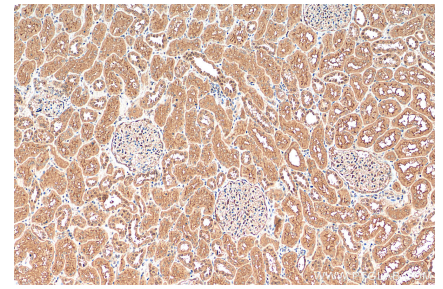
## Selected Validation Data



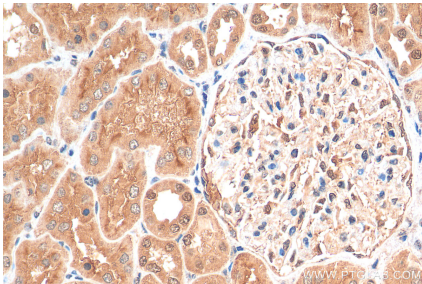
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 21854-1-AP (NR3C2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



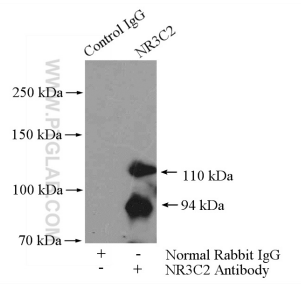
WB result of NR3C2 antibody (21854-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NR3C2 transfected HEK-293 cells.



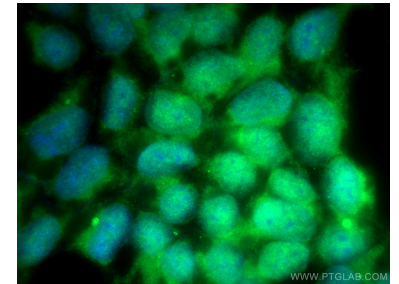
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21854-1-AP (NR3C2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



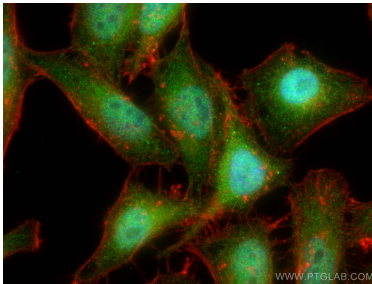
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21854-1-AP (NR3C2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NR3C2 (IP:21854-1-AP, 4ug; Detection:21854-1-AP 1:500) with HEK-293 cells lysate 3200ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HEK-293 cells using NR3C2 antibody (21854-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NR3C2 antibody (21854-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).