

For Research Use Only

NR3C2 Polyclonal antibody

Catalog Number: 21854-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

21854-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

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 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, ChIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, monkey

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/ICC: 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

*** 20ul sizes contain 0.1% BSA

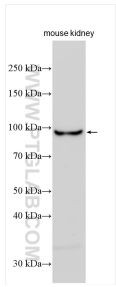
For technical support and original validation data for this product please contact:

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

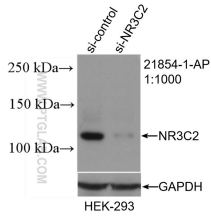
E: proteintech@ptglab.com
W: ptglab.com

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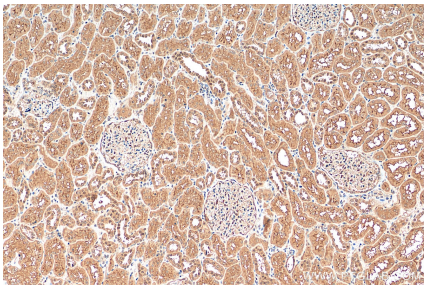
Selected Validation Data



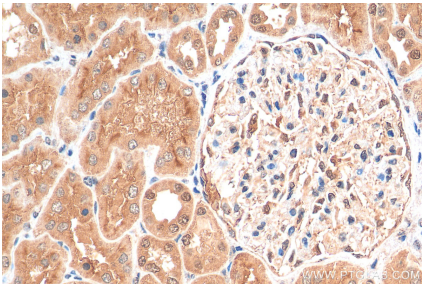
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 21854-1-AP (NR3C2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



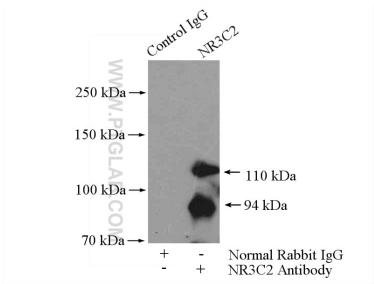
WB result of NR3C2 antibody (21854-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NR3C2 transfected HEK-293 cells.



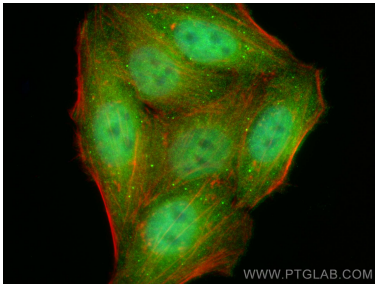
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21854-1-AP (NR3C2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 (4% PFA) fixed HepG2 cells using NR3C2 antibody (21854-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).