

For Research Use Only

# NR3C2 Polyclonal antibody

Catalog Number: 21854-1-AP

Featured Product

13 Publications



## Basic Information

<b>Catalog Number:</b> 21854-1-AP	<b>GenBank Accession Number:</b> BC111758	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 533 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4306	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear receptor subfamily 3, group C, member 2	<b>IHC 1:50-1:500</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 984 aa, 107 kDa	
<b>Immunogen Catalog Number:</b> AG16410	<b>Observed MW:</b> 94-110 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, IP : HEK-293 cells, IHC : human kidney tissue, human colon tissue IF : HepG2 cells,
<b>Cited Applications:</b> chIP, IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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
Shuai Lian	30423388	Behav Brain Res	WB
Lisa T C M van Weert	31121060	J Neuroendocrinol	chIP
Liju Luo	32222724	Med Sci Monit	WB

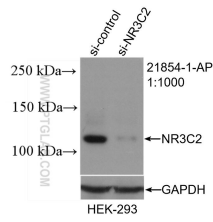
## Storage

**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: 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.

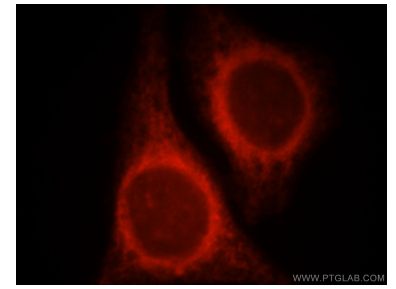
## Selected Validation Data



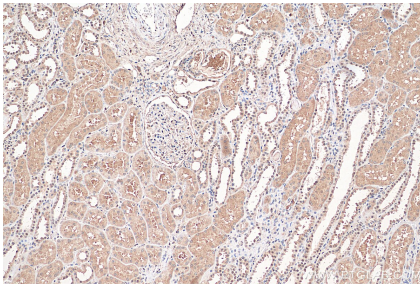
WB result of NR3C2 antibody (21854-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NR3C2 transfected HEK-293 cells.



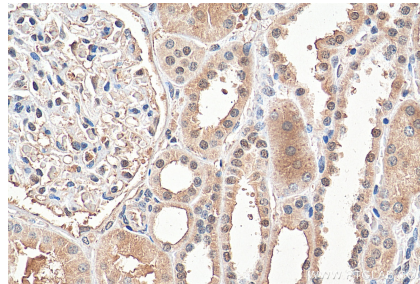
HEK-293 cells were subjected to SDS PAGE followed by western blot with 21854-1-AP (NR3C2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



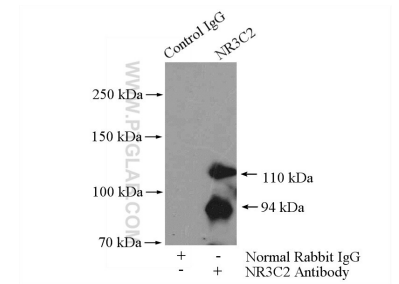
Immunofluorescent analysis of HepG2 cells, using NR3C2 antibody 21854-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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.