

# Product Datasheet

## Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) - BSA Free NB300-562

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

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**NB300-562**

Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) - BSA Free

Product Information	
Unit Size	100uL
Concentration	1.4 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	H10E4C9F
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	4306
Gene Symbol	NR3C2
Species	Human, Mouse, Rat, Chicken, Rabbit, Sheep
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 12198239). Sheep reactivity reported in scientific literature (PMID: 5695102).
Specificity/Sensitivity	Detects mineralocorticoid receptor (MR).
Immunogen	Aldosterone-3
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Block/Neutralize
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:20, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100, Block/Neutralize
Application Notes	Useful in IHC, ICC, and WB. Not suitable for IP. WB: Detects an approx. 116 kDa protein representing MR in rat heart homogenate. IHC: Staining of MR in rabbit atrium with NB300-562 results in strong staining of myocytes and endothelial cells. IHC: Staining with NB300-562 is blocked by pre-incubating the sample with aldosterone. NB300-562 can also be used in formalin-fixed, paraffin-embedded sections. Due to the extremely low levels of MR expressed in native tissues, it is recommended that enhanced detection systems be used for WBting such as enhanced chemiluminescence. NB300-562 blocks the binding of aldosterone since it is directed against the steroid binding domain of the mineralocorticoid receptor.



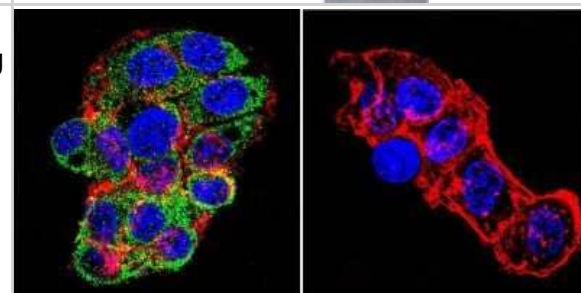
## Images

Western Blot: Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [NB300-562] - Analysis of Mineralocorticoid Receptor.

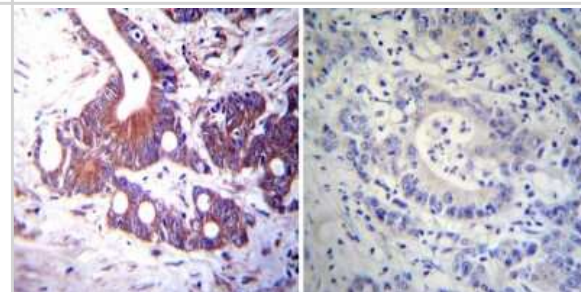
Fig. 1



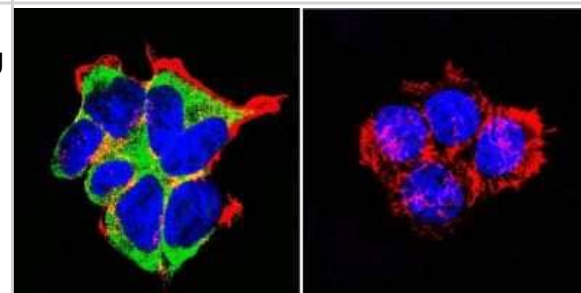
Immunocytochemistry/Immunofluorescence: Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [NB300-562] - Mineralocorticoid Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Mineralocorticoid Receptor at a dilution of 1:20-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



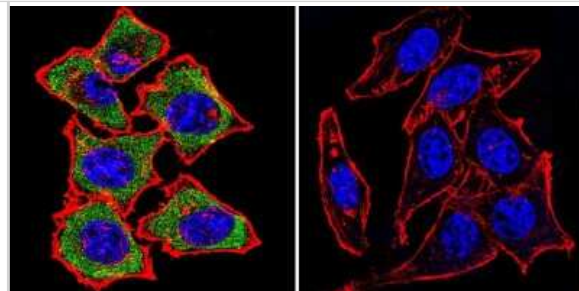
Immunohistochemistry-Paraffin: Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [NB300-562] - Both normal and cancer biopsies of deparaffinized Human colon carcinoma tissues.



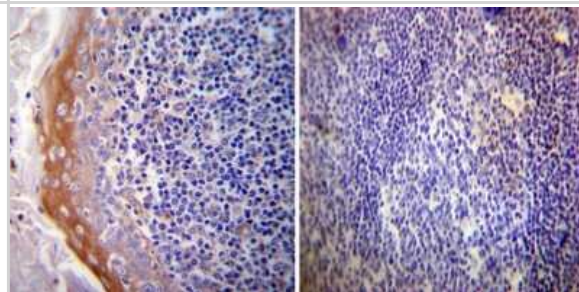
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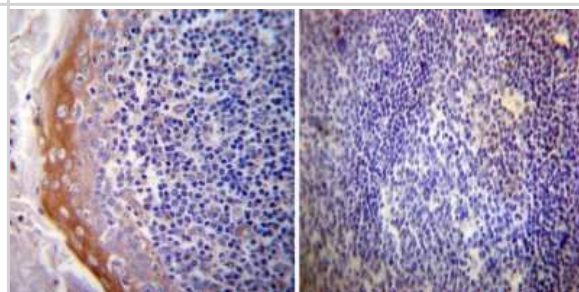
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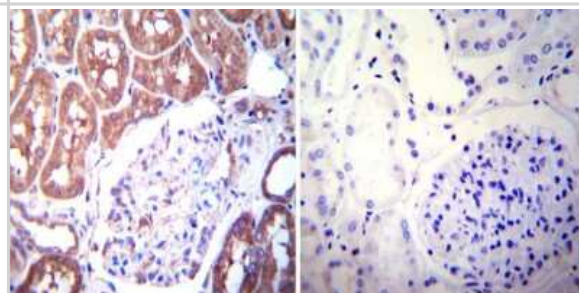
Immunohistochemistry-Paraffin: Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [NB300-562] - Both normal and cancer biopsies of deparaffinized Human tonsil tissues.



Immunohistochemistry-Paraffin: Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [NB300-562] - Both normal and cancer biopsies of deparaffinized Human tonsil tissues.



Immunohistochemistry-Paraffin: Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [NB300-562] - Both normal and cancer biopsies of deparaffinized Human kidney tissue tissues



## Publications

Shibata T, Cao D, Dar T et al. miR766-3p and miR124-3p Dictate Drug Resistance and Clinical Outcome in HNSCC Cancers 2022-10-27 [PMID: 36358691] (WB, IF/IHC, Mouse)

Leite-Dellova DCA, Szriber SJ, Merighe GKF et al. Signaling pathways involved in the rapid biphasic effect of aldosterone on Na<sup>+</sup>/H<sup>+</sup> exchanger in rat proximal tubule cells. J. Steroid Biochem. Mol. Biol. 2018-04-24 [PMID: 29702262] (WB, Rat)





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### **Products Related to NB300-562**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB300-562UV	Mineralocorticoid R/NR3C2 Antibody (H10E4C9F) [DyLight 350]

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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