

# NR3C2 Monoclonal Antibody (H10E4C9F)

## Product Details

Size	100 µL
Species Reactivity	Chicken, Human, Rabbit, Rat
Published Species	Rabbit, Rat, Sheep, Human, Mouse, Chicken
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	H10E4C9F
Conjugate	Unconjugated
Immunogen	Aldosterone-3
Form	Liquid
Concentration	1.4 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2298880

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:1000	7 Publications
Immunohistochemistry (IHC)	-	1:25	8 Publications
Immunoprecipitation (IP)	-		1 Publication
Neutralization (Neu)	-	1:100	1 Publication
Flow Cytometry (Flow)	✓	1/20	
Inhibition Assays (IA)	✓	Assay Dependent	
Immunocytochemistry (ICC)	✓	Assay dependent	
Immunofluorescence (IF)	✓	1:100-1:200	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1/100	

## Product Specific Information

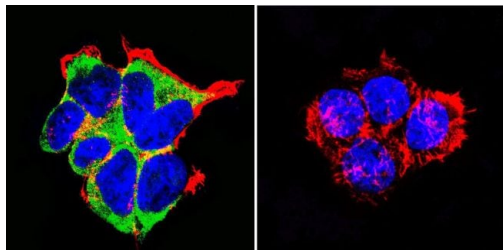
MA1-620 detects mineralocorticoid receptor (MR) in human, rat, rabbit and chicken tissues.

MA1-620 has been successfully used in Western blot, immunocytochemistry and immunohistochemistry procedures. By Western blot, this antibody detects a 116 kDa protein representing MR in rat heart homogenate. Immunohistochemical staining of MR in rabbit atrium with MA1-620 results in strong staining of myocytes and endothelial cells. MA1-620 cannot be used for immunoprecipitation.

In immunohistochemical studies, staining with MA1-620 is blocked by pre-incubating the sample with aldosterone. MA1-620 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 Western blotting such as enhanced chemiluminescence. MA1-620 blocks the binding of aldosterone since it is directed against the steroid binding domain of the mineralocorticoid receptor. The antibody can also react with the steroid binding domain for aldosterone on other receptors.

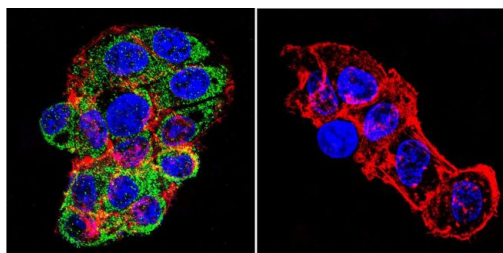
The MA1-620 immunogen is aldosterone-3. This antibody was produced using the anti-idiotypic method.

## Product Images For NR3C2 Monoclonal Antibody (H10E4C9F)



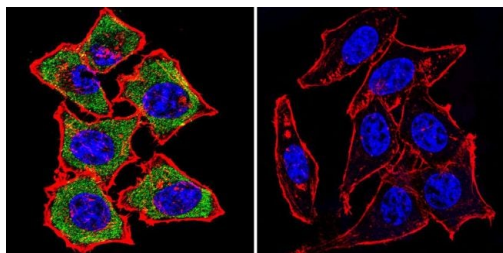
### NR3C2 Antibody (MA1-620) in IF

Immunofluorescent analysis of Mineralocorticoid Receptor using Mineralocorticoid Receptor Monoclonal antibody (H10E4C9F) (Product # MA1-620) shows staining in HEK293 cells. 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 (Product # MA1-620) at a dilution of 1:20-1:200 over night at 4 °C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552 for GAR, Product # 35503 for GAM). Images were taken at 60X magnification.



### NR3C2 Antibody (MA1-620) in IF

Immunofluorescent analysis of Mineralocorticoid Receptor using Mineralocorticoid Receptor Monoclonal antibody (H10E4C9F) (Product # MA1-620) shows staining in HepG2 cells. 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 (Product # MA1-620) at a dilution of 1:20-1:200 over night at 4 °C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552 for GAR, Product # 35503 for GAM). Images were taken at 60X magnification.



### NR3C2 Antibody (MA1-620) in IF

Immunofluorescent analysis of Mineralocorticoid Receptor using Mineralocorticoid Receptor Monoclonal antibody (H10E4C9F) (Product # MA1-620) shows staining in HeLa cells. 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 (Product # MA1-620) at a dilution of 1:20-1:200 over night at 4 °C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552 for GAR, Product # 35503 for GAM). Images were taken at 60X magnification.

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## 17 References

### Western Blot (7)

American journal of translational research

#### Mineralocorticoid receptor is involved in the aldosterone pathway in human red blood cells.

"Published figure using NR3C2 monoclonal antibody (Product # MA1-620) in Western Blot"

Authors: Bordin L, Saccardi C, Donà G, Sabbadin C, Andrisani A, Ambrosini G, Plebani M, Brunati AM, Ragazzi E, Gizzo S, Armanini D

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2016

Psychiatry research

#### Mineralocorticoid receptor and heat shock protein expression levels in peripheral lymphocytes from war trauma-exposed men with and without PTSD.

"MA1-620 was used in western blot to study whether there is a relationship between peripheral leukocyte mineralocorticoid and heat shock protein expression levels and exposure to war trauma"

Authors: Mati G, Vojnovi Milutinovi D, Nestorov J, Elakovi I, Manitaševi Jovanovi S, Elzaedi YM, Periši T, Dunerski J, Damjanovi S, Kneževi G, Špiri Ž, Vermetten E, Savi D

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2014

[View more WB references on thermofisher.com](#)

### Immunohistochemistry (8)

American journal of physiology. Heart and circulatory physiology

#### Mineralocorticoid receptor expression in human venous smooth muscle cells: a potential role for aldosterone signaling in vein graft arterialization.

"MA1-620 was used in immunohistochemistry to study the expression of mineralocorticoid receptor in human venous smooth muscle cells"

Authors: Bafford R, Sui XX, Park M, Miyahara T, Newfell BG, Jaffe IZ, Romero JR, Adler GK, Williams GH, Khalil RA, Conte MS

**Species**  
Human

**Dilution**  
1:25

**Year**  
2011

PloS one

#### Localization of mineralocorticoid receptors at mammalian synapses.

"MA1-620 was used in immunohistochemistry and western blot to show the presence of mineralocorticoid receptors in the amygdala synapses"

Authors: Prager EM, Brielmaier J, Bergstrom HC, McGuire J, Johnson LR

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2010

[View more IHC references on thermofisher.com](#)

### More applications with references on thermofisher.com

**IP (1)**   **Neu (1)**

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