

NR3C2 / Mineralocorticoid Receptor Antibody

Mouse Monoclonal Antibody [Clone NR3C2/4900]

Catalog No	Format	Size
4306-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4306-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4306-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

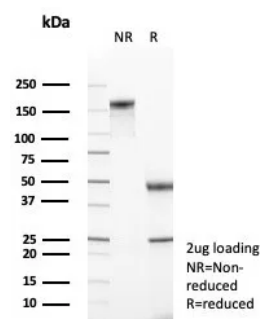
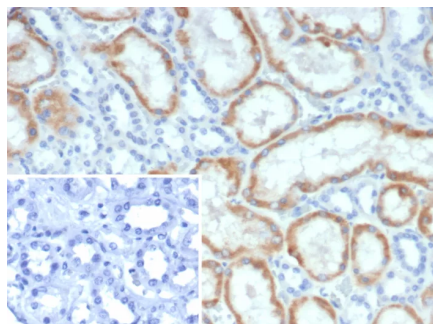
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	NR3C2/4900
Gene Name	NR3C2
Immunogen	Recombinant fragment (around aa601-673) of human NR3C2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	107kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa cells. Human kidney.

*Optimal dilution for a specific application should be determined.

Product Images for NR3C2 / Mineralocorticoid Receptor Antibody



Formalin-fixed, paraffin-embedded human kidney stained with NR3C2 Mouse Monoclonal Antibody (NR3C2/4900). Inset: PBS instead of primary antibody; secondary only negative control.

SDS-PAGE Analysis of Purified NR3C2 Mouse Monoclonal Antibody (NR3C2/4900) Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Mineralocorticoid hormones are primarily found in epithelial tissues where they function as regulators of Na⁺, K⁺ and H⁺ ion transport. Aldosterone is a mineralocorticoid that has been shown to regulate electrolyte excretion and intravascular volume and is therefore involved in blood pressure regulation. 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 downregulation (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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Nuclear Marker, Transcription Factors
