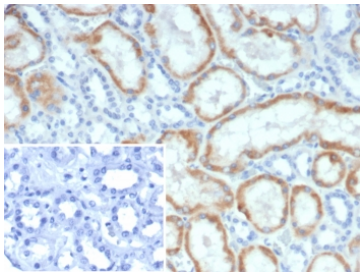
Mineralocorticoid Receptor Antibody / MR / NR3C2 [clone NR3C2/4900] (V5076)

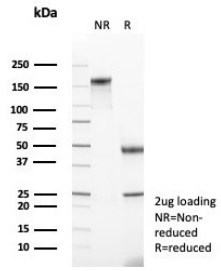
Catalog No.	Formulation	Size
V5076-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5076-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5076SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NR3C2/4900
Purity	Protein A/G affinity
UniProt	P08235
Localization	Nucleus, cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Mineralocorticoid Receptor antibody is available for research use only.



IHC staining of FFPE human kidney tissue with Mineralocorticoid Receptor antibody (clone NR3C2/4900). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Mineralocorticoid Receptor antibody (clone NR3C2/4900) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Mineralocorticoid Receptor antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 601-673) from the human protein was used as the immunogen for the Mineralocorticoid Receptor antibody.

Storage

Aliquot the Mineralocorticoid Receptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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