ARG59039
anti-NR3C2 / Mineralocorticoid Receptor antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NR3C2 / Mineralocorticoid Receptor
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Chk
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NR3C2 / Mineralocorticoid Receptor
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 950-984 of Human NR3C2 (HALKVEFPAMLVEIISDQLPKVESGNAKPLYFHRK).
Conjugation	Un-conjugated
Alternate Names	NR3C2VIT; MR; MLR; Nuclear receptor subfamily 3 group C member 2; Mineralocorticoid receptor; MCR

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

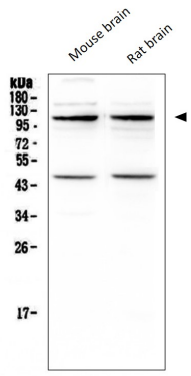
Bioinformation

Gene Symbol	NR3C2
Gene Full Name	nuclear receptor subfamily 3, group C, member 2
Background	This gene encodes the mineralocorticoid receptor, which mediates aldosterone actions on salt and water balance within restricted target cells. The protein functions as a ligand-dependent transcription factor that binds to mineralocorticoid response elements in order to transactivate target genes. Mutations in this gene cause autosomal dominant pseudohypoaldosteronism type I, a disorder characterized by urinary salt wasting. Defects in this gene are also associated with early onset hypertension with severe exacerbation in pregnancy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Function	Receptor for both mineralocorticoids (MC) such as aldosterone and glucocorticoids (GC) such as corticosterone or cortisol. Binds to mineralocorticoid response elements (MRE) and transactivates target genes. The effect of MC is to increase ion and water transport and thus raise extracellular fluid volume and blood pressure and lower potassium levels. [UniProt]
Calculated Mw	107 kDa
PTM	Phosphorylated. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Endoplasmic reticulum membrane; Peripheral membrane protein. Cytoplasmic and nuclear in the absence of ligand; nuclear after ligand-binding. When bound to HSD11B2, it is found associated with the endoplasmic reticulum membrane. [UniProt]

Images

ARG59039 anti-NR3C2 / Mineralocorticoid Receptor antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat kidney, Mouse kidney, HeLa and A431 lysates stained with ARG59039 anti-NR3C2 / Mineralocorticoid Receptor antibody at 0.5 µg/ml, overnight at 4°C.



ARG59039 anti-NR3C2 / Mineralocorticoid Receptor antibody WB image

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