

Rabbit Mineralocorticoid Receptor Polyclonal Antibody | anti-NR3C2 antibody

Anti-Mineralocorticoid Receptor antibody

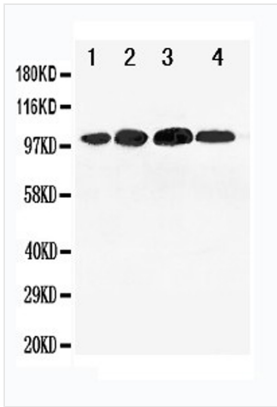
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45013	Rabbit	Reacts with: Human Predict to work with: Mouse, Rat	Western Blot

PRODUCT SYNONYMS

Mineralocorticoid Receptor; Polyclonal Antibody; Anti-Mineralocorticoid Receptor antibody; Mineralocorticoid receptor(MR); nuclear receptor subfamily 3; group C; member 2; Aldosterone receptor antibody; MCR antibody; MCR_HUMAN antibody; MGC133092 antibody; Mineralocorticoid receptor antibody; MLR antibody; MR antibody; NR3 C2 antibody; NR3C2 antibody; NR3C2 protein antibody; Nuclear receptor subfamily 3 group C member 2 antibody; anti-NR3C2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Human Predict to work with: Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	984
Applicable Applications for anti-NR3C2 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Mineralocorticoid Receptor (966-984aa DQLPKVESGNAKPLYFHRK), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-NR3C2 antibody, AAA45013, Western blottingLane 1: 293T Cell LysateLane 2: SMMC Cell LysateLane 3: SW620 Cell LysateLane 4: HELA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-NR3C2 antibody	Description: Rabbit IgG polyclonal antibody for Mineralocorticoid receptor(NR3C2) detection. Tested with WB in Human, Mouse, Rat. Background: NR3C2(nuclear receptor subfamily 3, group C, member 2) also known as MR(mineralocorticoid receptor) is a protein that in humans is encoded by the NR3C2 gene that is located on chromosome 4q31.1-31.2. NR3C2 is a receptor with high affinity for mineralocorticoids. It belongs to the nuclear receptor family where the ligand diffuses into cells, interacts with the receptor and results in a signal transduction affecting specific gene expression in the nucleus. MR is expressed in many tissues, such as the kidney, colon, heart, central nervous system(hippocampus), brown adipose tissue and sweat glands. In epithelial tissues, its activation leads to the expression of proteins regulating ionic and water transports(mainly the epithelial sodium channel or ENaC, Na+/K+ pump, serum and glucocorticoid induced kinase or SGK1) resulting in the reabsorption of sodium, and as a consequence an increase in extracellular volume, increase in blood pressure, and an excretion of potassium to maintain a normal salt concentration in the body. The receptor is activated by mineralocorticoids such as aldosterone and deoxycorticosterone as well as glucocorticoids, like cortisol. In intact animals, the mineralocorticoid receptor is "protected" from glucocorticoids by co-localization of an enzyme, 11beta-hydroxysteroid dehydrogenase type 2(11beta-HSD2), that converts cortisol to inactive cortisone. It also responds to some progestins. Spironolactone and eplerenone are mineralocorticoid receptor antagonists. Activation of the mineralocorticoid receptor, upon the binding of its ligand aldosterone, results in its translocation to the cell nucleus, homodimerization and binding to hormone response elements present in the promoter of some genes. This results in the complex recruitment of the transcriptional machinery and the transcription into mRNA of the DNA sequence of the activated genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126885
NCBI GeneID	4306
UniProt Accession #	P08235; Q2NKL1; Q96KQ8; Q96KQ9; B0ZBF5; B0ZBF7
Molecular Weight	94,359 Da
NCBI Official Full Name	Mineralocorticoid receptor
NCBI Official Synonym Full Names	nuclear receptor subfamily 3, group C, member 2
NCBI Official Symbol	NR3C2
NCBI Official Synonym Symbols	MR; MCR; MLR; NR3C2VIT
NCBI Protein Information	mineralocorticoid receptor; aldosterone receptor; mineralocorticoid receptor 1; mineralocorticoid receptor delta
UniProt Protein Name	Mineralocorticoid receptor

UniProt Gene Name	NR3C2
UniProt Synonym Gene Names	MCR; MLR; MR
UniProt Entry Name	MCR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mineralocorticoid-receptor-antibody-western-blot-elisa/45013>