

NR3C2 Polyclonal Antibody | anti-NR3C2 antibody

Polyclonal Anti-NR3C2 Picoband™ Antibody

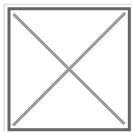
CATALOG # AAA46217	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	No Cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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 NR3C2 (950-984aa HALKVEFPAMLVEIISDQLPKVESGNAKPLYFHRK), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml
Relevant Detection Systems	MBS provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit in WB.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 2. Western blot analysis of NR3C2 using anti- NR3C2 antibody (AAA46217).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: mouse brain tissue lysates,Lane 2: rat brain tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- NR3C2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NR3C2 at approximately 110KD. The expected band size for NR3C2 is at 110KD.



WB (Western Blot)

Figure 1. Western blot analysis of NR3C2 using anti-NR3C2 antibody (AAA46217).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: Rat Kidney Tissue Lysate,Lane 2: Mouse Kidney Tissue Lysate,Lane 3: HELA Whole Cell Lysate,Lane 4: A431 Whole Cell Lysate.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NR3C2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NR3C2 at approximately 110KD. The expected band size for NR3C2 is at 110KD.

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. 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. 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.
References	1. Fan YS, Eddy RL, Byers MG, Haley LL, Henry WM, Nowak NJ, Shows TB (1989). "The human mineralocorticoid receptor gene (MLR) is located on chromosome 4 at q31.2". Cytogenet. Cell Genet.52 (1-2): 83-4. 2. Zennaro MC, Souque A, Viengchareun S, Poisson E, Lombès M (September 2001). "A new human MR splice variant is a ligand-independent transactivator modulating corticosteroid action". Mol. Endocrinol. 15 (9): 1586-98.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158508572
NCBI GeneID	4306
NCBI Accession #	NP_000892.2
NCBI GenBank Nucleotide #	NM_000901.4
UniProt Accession #	P08235; Q2NKL1; Q96KQ8; Q96KQ9; B0ZBF5; B0ZBF7
Molecular Weight	94,359 Da
NCBI Official Full Name	mineralocorticoid receptor isoform 1
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
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/nr3c2-antibody-western-blot-elisa/46217>