

Datasheet for ABIN3043453

anti-Glucocorticoid Receptor antibody (AA 1-373)**4** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Glucocorticoid Receptor (NR3C1)
Binding Specificity:	AA 1-373
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Glucocorticoid receptor(NR3C1) detection. Tested with WB, IHC-P in Human,Rat.
Immunogen:	E.coli-derived human NR3C1 recombinant protein (Position: M1-D373). Human NR3C1 shares 85% and 82% amino acid (aa) sequences identity with mouse and rat NR3C1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Glucocorticoid receptor(NR3C1) detection. Tested with WB, IHC-P in Human,Rat.</p> <p>Gene Name: nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)</p> <p>Protein Name: Glucocorticoid receptor</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	Glucocorticoid Receptor (NR3C1)
Alternative Name:	NR3C1 (NR3C1 Products)
Background:	<p>The glucocorticoid receptor (GR, or GCR), also known as NR3C1, is the receptor to which cortisol and other glucocorticoids bind. In humans, the GR protein is encoded by NR3C1 gene which is located on chromosome 5 (5q31). GR is expressed in almost every cell in the body and regulates genes controlling the development, metabolism, and immune response. Because the receptor gene is expressed in several forms, it has many different (pleiotropic) effects in different parts of the body. The activated GR complex up-regulates the expression of anti-inflammatory proteins in the nucleus or represses the expression of pro-inflammatory proteins in the cytosol (by preventing the translocation of other transcription factors from the cytosol into the nucleus).</p> <p>Synonyms: GCCR antibody GCR antibody GCR_HUMAN antibody GCRST antibody glucocorticoid nuclear receptor variant 1 antibody Glucocorticoid receptor antibody Glucocorticoid receptor lymphocyte antibody GR antibody GRL antibody GrI1 antibody NR3C1 antibody Nuclear receptor subfamily 3 group C member 1 antibody nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) antibody</p>
Gene ID:	2908
UniProt:	P04150
Pathways:	Nuclear Receptor Transcription Pathway , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Regulation of Muscle Cell Differentiation , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for NR3C1 is approximately 0.2 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
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Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

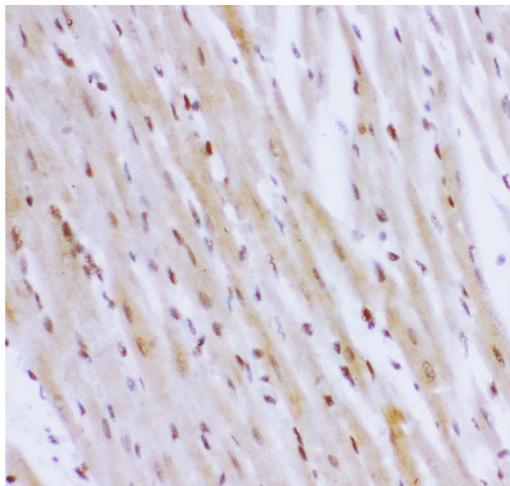
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

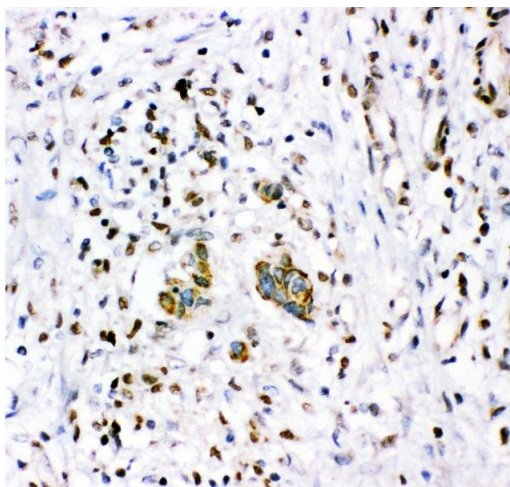
Publications

Product cited in: Li, Zhao, Qi, Wang, Zhang, Li, Qin: "lncRNA Ftx promotes aerobic glycolysis and tumor progression through the PPAR γ pathway in hepatocellular carcinoma." in: **International journal of oncology**, Vol. 53, Issue 2, pp. 551-566, (2018) ([PubMed](#)).



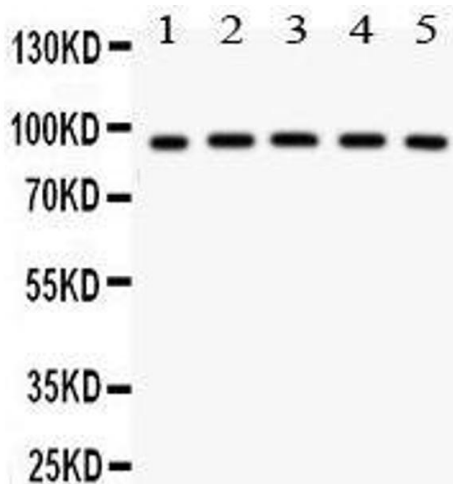
Immunohistochemistry

Image 1. Anti- NR3C1 antibody,IHC(P) IHC(P): Rat Cardiac Muscle Tissue



Immunohistochemistry

Image 2. Anti- NR3C1 antibody,IHC(P) IHC(P): Human Mammary Cancer Tissue



Western Blotting

Image 3. Anti- NR3C1 antibody, Western blotting All lanes: Anti NR3C1 at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Lane 4: MM231 Whole Cell Lysate at 40ug Lane 5: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 90KD Observed bind size: 90KD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043453.