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# anti-Glucocorticoid Receptor antibody (AA 1-190)





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# Overview

Quantity:	100 μg
Target:	Glucocorticoid Receptor (NR3C1)
Binding Specificity:	AA 1-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

# **Product Details**

Immunogen:	Recombinant Human Glucocorticoid receptor protein (1-190AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

# **Target Details**

Target:	Glucocorticoid Receptor (NR3C1)
Alternative Name:	NR3C1 (NR3C1 Products)
Background:	Background: Receptor for glucocorticoids (GC) (PubMed:27120390). Has a dual mode of

action: as a transcription factor that binds to glucocorticoid response elements (GRE), both for nuclear and mitochondrial DNA, and as a modulator of other transcription factors. Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Involved in chromatin remodeling (PubMed:9590696). Plays a role in rapid mRNA degradation by binding to the 5\\' UTR of target mRNAs and interacting with PNRC2 in a ligand-dependent manner which recruits the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay (PubMed:25775514). Could act as a coactivator for STAT5-dependent transcription upon growth hormone (GH) stimulation and could reveal an essential role of hepatic GR in the control of body growth (By similarity).

Aliases: GCCR antibody, GCR antibody, GCR\_HUMAN antibody, GCRST antibody, glucocorticoid nuclear receptor variant 1 antibody, Glucocorticoid receptor antibody, GR antibody, GRL antibody, Grl1 antibody, nr3c1 antibody, Nuclear receptor subfamily 3 group C member 1 antibody, nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) antibody

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:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000,
Restrictions:	For Research Use only

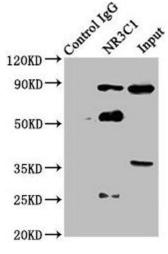
#### Handling

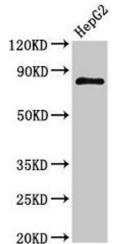
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

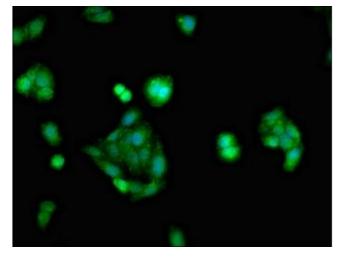
Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## **Images**







#### **Western Blotting**

**Image 1.** Immunoprecipitating NR3C1 in Hela whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7153886 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/5000) Lane 2: ABIN7153886 (8  $\mu$ g) + Hela whole cell lysate (500  $\mu$ g) Lane 3: Hela whole cell lysate (20  $\mu$ g)

# **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: HepG2 whole cell lysate All lanes: NR3C1 antibody at 3 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 86, 82, 65, 61, 83, 79, 77, 76, 52, 51, 50 kDa Observed band size: 86 kDa

#### **Immunofluorescence**

**Image 3.** Immunofluorescent analysis of HepG2 cells using ABIN7153886 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the product details page for more images. Overall 4 images are available for ABIN7153886.