



Datasheet for ABIN726875

## anti-Glucocorticoid Receptor antibody (AA 231-320)



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### Overview

Quantity:	100 µL
Target:	Glucocorticoid Receptor (NR3C1)
Binding Specificity:	AA 231-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glucocorticoid receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	Glucocorticoid Receptor (NR3C1)
Alternative Name:	Glucocorticoid receptor ( <a href="#">NR3C1 Products</a> )

## Target Details

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Background: Synonyms: GR, GCR, GRL, GCCR, GCRST, Glucocorticoid receptor, Nuclear receptor subfamily 3 group C member 1, NR3C1

Background: Receptor for glucocorticoids (GC). 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. 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. Involved in chromatin remodeling. May play a negative role in adipogenesis through the regulation of lipolytic and antilipogenic genes expression.

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Gene ID: 2908

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UniProt: [P04150](#)

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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

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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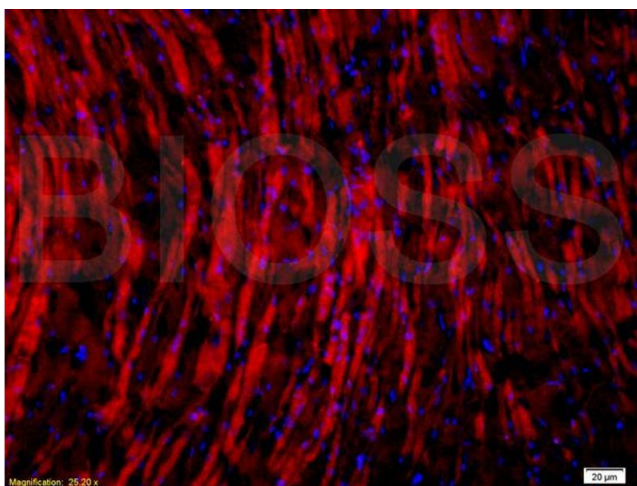
## Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

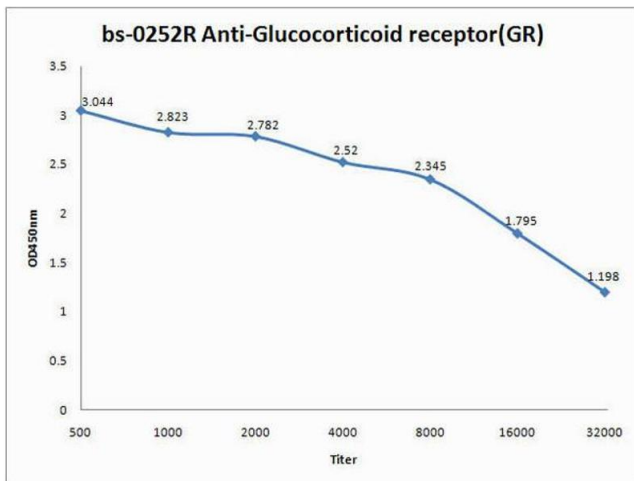
- Product cited in:
- Guo, Ma, Xia, Chen, Li, Deng, Sheng, Hong, Hu: "Androgen receptor reverts dexamethasone-induced inhibition of prostate cancer cell proliferation and migration." in: **Molecular medicine reports**, Vol. 17, Issue 4, pp. 5887-5893, (2018) ([PubMed](#)).
- Pang, Zhang, Zhu, Guo: "Expression of glucocorticoid receptor- $\alpha$  in the epidermis of patients with psoriasis vulgaris." in: **Experimental and therapeutic medicine**, Vol. 10, Issue 2, pp. 419-422, (2015) ([PubMed](#)).
- Takigawa, Miyazaki, Kinoshita, Kawarabayashi, Nishiyama, Hatsuse, Ono, Saitoh, Seki, Yamamoto: "Glucocorticoid receptor-dependent immunomodulatory effect of ursodeoxycholic acid on liver lymphocytes in mice." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 305, Issue 6, pp. G427-38, (2013) ([PubMed](#)).

## Images



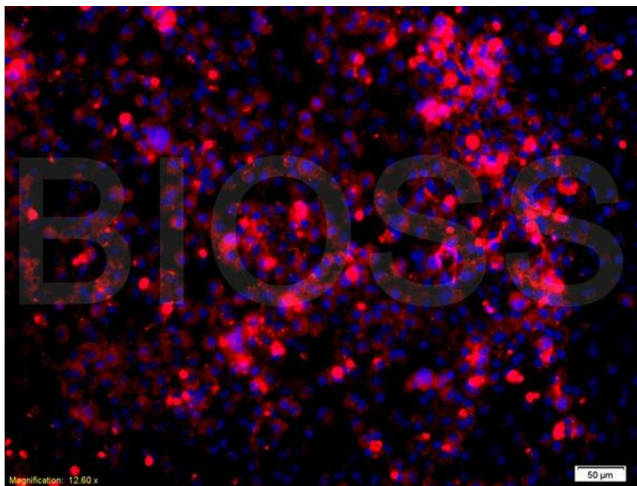
### Immunofluorescence

**Image 1.** Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-Glucocorticoid receptor (GR) Polyclonal Antibody, Unconjugated (ABIN726875) at 1:200, followed by conjugation to the secondary antibody was Goat Anti-Rabbit IgG, PE conjugated at 1:200 for 40 minutes at 37°C



### ELISA

**Image 2.** Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; Read the data in MicroplateReader by 450nm



### Immunofluorescence

**Image 3.** Formalin-fixed and paraffin embedded: human lung epithelial cells labeled with Anti-Glucocorticoid receptor (GR) Polyclonal Antibody, Unconjugated (ABIN726875) at 1:200,, followed by conjugation to the secondary antibody was Goat Anti-Rabbit IgG, PE conjugated at 1:200 for 40 minutes at 37°C

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN726875.