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# anti-Glucocorticoid Receptor antibody (Ser211)





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Overview		
Quantity:	100 μL	
Target:	Glucocorticoid Receptor (NR3C1)	
Binding Specificity:	Ser211	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)	
Product Details		
Immunogen:	Synthesized non-phosphopeptide derived from Human GR around the phosphorylation site of	
	serine 211 (N-E-S-P-W).	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using	
	epitope-specific immunogen.	
Target Details		
Target:	Glucocorticoid Receptor (NR3C1)	
Alternative Name:	NR3C1 (NR3C1 Products)	

#### Target Details

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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.

Zhen Wang, Mol. Endocrinol., Mar 2007, 21: 625 - 634.

Aaron L. Miller, Mol. Endocrinol., Jun 2005, 19: 1569 - 1583.

Paul J. LeBlanc, J. Physiol., Jun 2004, 557: 559 - 570.

JosXavier-Neto, Hypertension, Jul 1999, 34: 31.

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

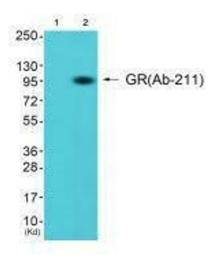
Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500,
Restrictions:	For Research Use only
Handling	

Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide

### Handling

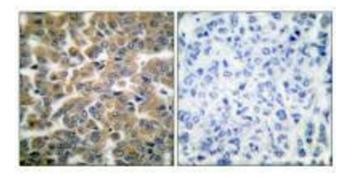
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## **Images**



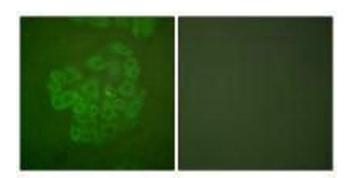
#### **Western Blotting**

**Image 1.** Western blot analysis of extracts from K562 cells (Lane 2), using GR (Ab-211) antiobdy. The lane on the left is treated with synthesized peptide.



### **Immunohistochemistry**

**Image 2.** Immunohistochemical analysis of paraffinembedded human breast carcinoma tissue using GR (Ab-211) antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of A549 cells, using GR (Ab-211) antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN7180015.