Datasheet for ABIN7180016

anti-Glucocorticoid Receptor antibody (Ser226, Ser234, Ser246)

3 Images

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Overview

Quantity:	100 µL
Target:	Glucocorticoid Receptor (NR3C1)
Binding Specificity:	Ser226, Ser234, Ser246
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human GR around the phosphorylation site of serine 226/234/246 (L-L-S-P-L).
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

Background:	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. Kyung Jin Kwak, J. Exp. Bot., Nov 2005, 56: 3007 - 3016. Maite de Llanos, Hum. Reprod., Jan 2005, 20: 216 - 220. M. Lynch, Mol. Hum. Reprod., Jul 2005, 11: 507 - 512. Valeriya P. Makarenkova, J. Immunol., Feb 2006, 176: 2085 - 2094. 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,
Restrictions:	For Research Use only

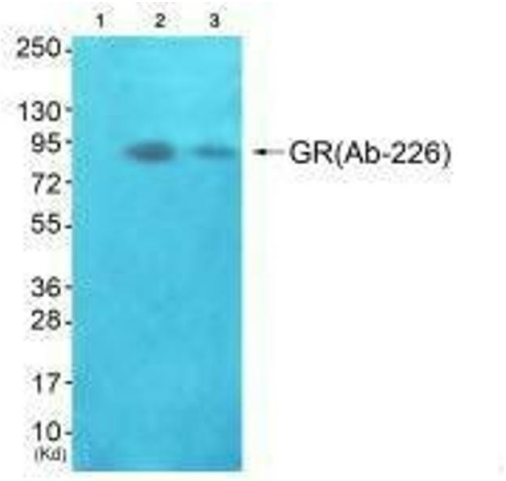
Handling

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.

Handling

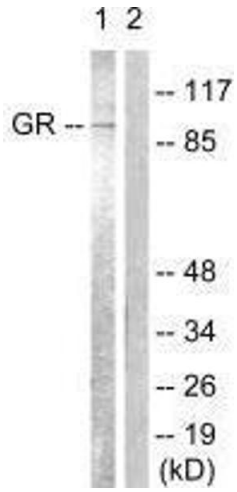
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



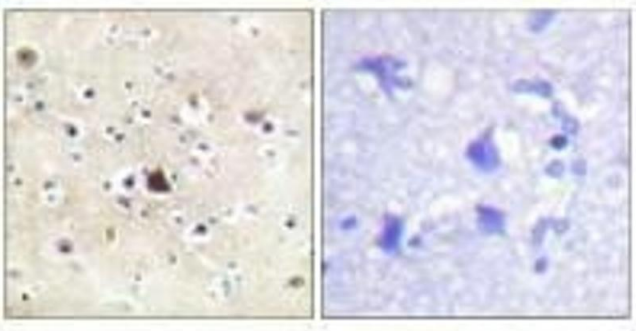
Western Blotting

Image 1. Western blot analysis of extracts from JK cells (Lane 2) and K562 cells (Lane 3), using GR(Ab-226) antiobdy. The lane on the left is treated with synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from Jurkat cells, treated with EGF (200 ng/mL, 15 mins), using GR (Ab-226) antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human brain tissue using GR (Ab-226) antibody.

