



Rabbit Anti-Human NR3C1 Polyclonal Antibody (CABT-L2141)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Nuclear Receptor Subfamily 3, Group C, Member 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against NR3C1. It has been selected for its ability to recognize NR3C1 in immunohistochemical staining and western blotting.
Target	NR3C1
Immunogen	Recombinant fragment corresponding to human NR3C1 (Leu532~Glu730)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes glucocorticoid receptor, which can function both as a transcription factor that binds to glucocorticoid response elements in the promoters of glucocorticoid responsive genes to activate their transcription, and as a regulator of other transcription factors. This receptor is typically found in the cytoplasm, but upon ligand binding, is transported into the nucleus. It is involved in inflammatory responses, cellular proliferation, and differentiation in target tissues. Mutations in this gene are associated with generalized glucocorticoid resistance. Alternative splicing of this gene results in transcript variants encoding either the same or different isoforms. Additional isoforms resulting from the use of alternate in-frame translation initiation sites have also been described, and shown to be functional, displaying diverse cytoplasm-to-nucleus trafficking patterns and distinct transcriptional activities (PMID:15866175). [provided by RefSeq, Feb 2011]
Keywords	GR;GCCR;GCR;GR;GRL;NR3-C1;Glucocorticoid Receptor

GENE INFORMATION

Gene Name	NR3C1 nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) [Homo sapiens (human)]
Official Symbol	NR3C1
Synonyms	NR3C1; nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor); GR; GCR; GRL; GCCR; GCRST; glucocorticoid receptor; glucocorticoid nuclear receptor variant 1;
Entrez Gene ID	2908
Protein Refseq	NP_000167
UniProt ID	F1D8N4
Chromosome Location	5q31.3
Pathway	Adipogenesis; BMAL1:CLOCK,NPAS2 activates circadian gene expression; Circadian Clock; FOXA2 and FOXA3 transcription factor networks; Gene Expression; Generic Transcription Pathway; Glucocorticoid receptor regulatory network; Neuroactive ligand-receptor interaction;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA

polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; glucocorticoid receptor activity; glucocorticoid-activated RNA polymerase II transcription factor binding transcription factor activity; protein binding; protein dimerization activity; sequence-specific DNA binding transcription factor activity; steroid binding; steroid hormone binding; zinc ion binding;
