

Datasheet for ABIN968431

**anti-Glucocorticoid Receptor antibody (AA 176-289)****5** Images**3** Publications[Go to Product page](#)

## Overview

Quantity:	150 µg
Target:	Glucocorticoid Receptor (NR3C1)
Binding Specificity:	AA 176-289
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Glucocorticoid Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), BioImaging (BI)

## Product Details

Immunogen:	Human Glucocorticoid Receptor alpha aa. 176-289
Clone:	41-Glucocorticoid Receptor
Isotype:	IgG1
Characteristics:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li><li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li></ol>
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

## Target Details

Target:	Glucocorticoid Receptor (NR3C1)
Alternative Name:	Glucocorticoid Receptor ( <a href="#">NR3C1 Products</a> )
Background:	<p>Steroid hormone receptors are hormone activated transcriptional regulators that influence genes required for embryonic development and adult homeostasis. One member of the steroid hormone family is the glucocorticoid receptor. It contains AF1 and AF2 transactivation domains, a DNA binding domain, and ligand binding domain. Ligand bound glucocorticoid receptors dimerize at specific palindromic sequences called glucocorticoid response elements (GREs) in the cis-regulatory region of target genes. Both AF1 and AF2 may be important for initiation or regulation of transcription by interacting with components of the initiation complex or other intermediary factors. In addition to transactivation, glucocorticoid receptors may also regulate transcription through transrepression of target genes. Although mechanisms of transrepression are not completely understood, DNA binding alone, DNA binding plus interaction with other transcription factors, or protein-protein interaction without DNA binding are mechanisms that have been implicated. Thus, glucocorticoid receptors function in the regulation of specific genes that are essential for human development and homeostasis. This antibody is routinely tested by western blot analysis.</p>
Molecular Weight:	94 kDa
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Comment:	Related Products: ABIN967389, ABIN968535
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
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

Storage Comment: Store undiluted at -20°C.

## Publications

Product cited in: Reichardt, Kaestner, Tuckermann, Kretz, Wessely, Bock, Gass, Schmid, Herrlich, Angel, Schütz: "DNA binding of the glucocorticoid receptor is not essential for survival." in: **Cell**, Vol. 93, Issue 4, pp. 531-41, (1998) ([PubMed](#)).

Beato, Herrlich, Schütz: "Steroid hormone receptors: many actors in search of a plot." in: **Cell**, Vol. 83, Issue 6, pp. 851-7, (1996) ([PubMed](#)).

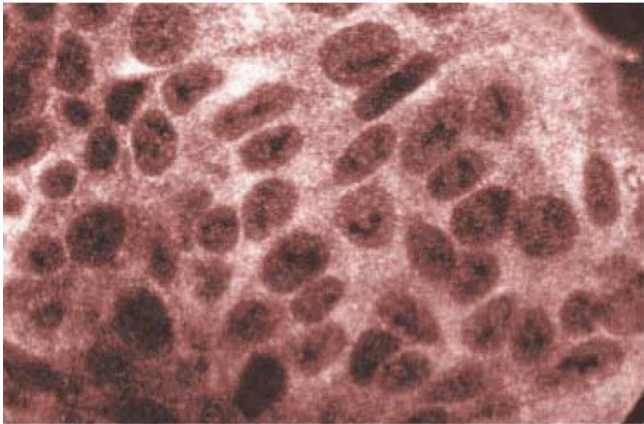
Hollenberg, Weinberger, Ong, Cerelli, Oro, Lebo, Thompson, Rosenfeld, Evans: "Primary structure and expression of a functional human glucocorticoid receptor cDNA." in: **Nature**, Vol. 318, Issue 6047, pp. 635-41, (1986) ([PubMed](#)).

## Images



### Western Blotting

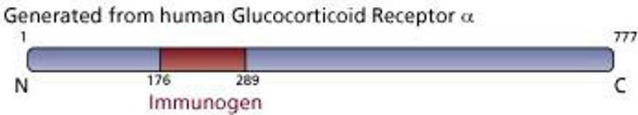
**Image 1.** Western blot analysis of glucocorticoid receptor on HeLa cell lysate (right). Lane 1: 1:2500, lane 2: 1:5000, lane 3: 1:10000 dilution of anti-glucocorticoid receptor.



Immunofluorescence

**Image 2.** Immunofluorescent staining of HCT-8 cells.

**Image 3.**



Please check the [product details page](#) for more images. Overall 5 images are available for ABIN968431.