

# Anti-Glucocorticoid Receptor antibody ab3671

★★★★☆ [4 Abreviews](#) [2 References](#) [5 图像](#)

### 概述

产品名称	Anti-Glucocorticoid Receptor抗体
描述	兔多克隆抗体to Glucocorticoid Receptor
宿主	Rabbit
特异性	This antibody detects both the unactivated and activated forms of GR.
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Mouse, Human, Snake
免疫原	Synthetic peptide corresponding to Human Glucocorticoid Receptor aa 150-175. Sequence: APTEKEFPKTHSDVSSEQHLKGQTG

 [Run BLAST with](#)

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### 常规说明

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 99% PBS
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab3671于以下的经测试应用

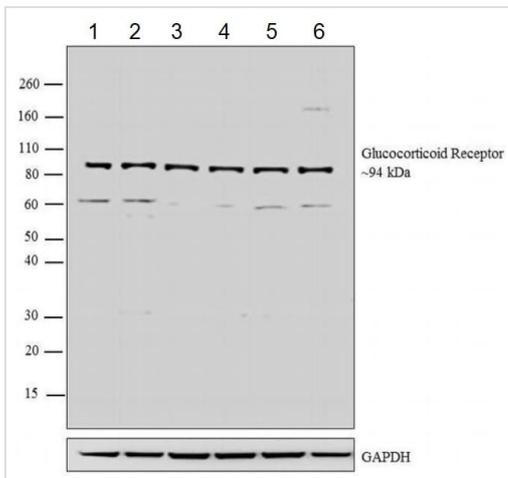
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/250.
ICC/IF	★★★★☆ (1)	1/250.
WB	★★★★☆ (2)	1/500 - 1/2500. Detects a band of approximately 97 kDa (predicted molecular weight: 86 kDa).

## 靶标

<b>功能</b>	Receptor for glucocorticoids (GC). Has a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE) 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. Plays a significant role in transactivation. Involved in nuclear translocation.
<b>组织特异性</b>	Widely expressed. In the heart, detected in left and right atria, left and right ventricles, aorta, apex, intraventricular septum, and atrioventricular node as well as whole adult and fetal heart.
<b>疾病相关</b>	Defects in NR3C1 are a cause of glucocorticoid resistance (GCRES) [MIM:138040]; also known as cortisol resistance. It is a hypertensive, hyperandrogenic disorder characterized by increased serum cortisol concentrations. Inheritance is autosomal dominant.
<b>序列相似性</b>	Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.
<b>结构域</b>	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
<b>翻译后修饰</b>	Increased proteasome-mediated degradation in response to glucocorticoids. Phosphorylated in the absence of hormone; becomes hyperphosphorylated in the presence of glucocorticoid. The Ser-203-phosphorylated form is mainly cytoplasmic, and the Ser-211-phosphorylated form is nuclear. Transcriptional activity correlates with the amount of phosphorylation at Ser-211. Sumoylated; this reduces transcription transactivation. Ubiquitinated; restricts glucocorticoid-mediated transcriptional signaling.
<b>细胞定位</b>	Cytoplasm. Nucleus. Cytoplasmic in the absence of ligand, nuclear after ligand-binding and Nucleus. Localized largely in the nucleus.

## 图片



Western blot - Anti-Glucocorticoid Receptor antibody (ab3671)

**All lanes** : Anti-Glucocorticoid Receptor antibody (ab3671) at 1/1000 dilution

**Lane 1** : A549 (human lung carcinoma cell line) membrane enriched extract

**Lane 2** : MCF7 (human breast adenocarcinoma cell line) membrane enriched extract

**Lane 3** : T-47D membrane enriched extract

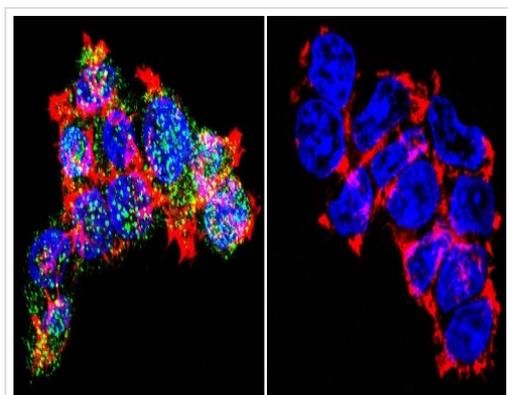
**Lane 4** : MDA-MB-231 (human breast adenocarcinoma cell line) membrane enriched extract

**Lane 5** : HeLa (human epithelial cell line from cervix adenocarcinoma) membrane enriched extract

**Lane 6** : Mouse brain tissue extract

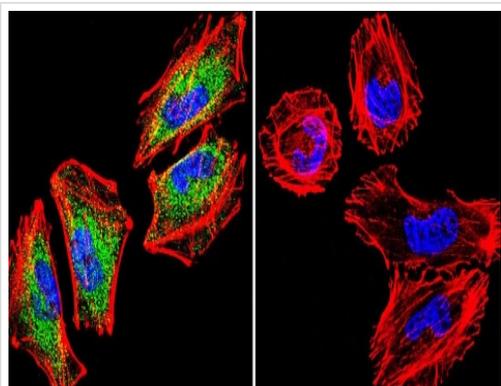
Lysates/proteins at 30 µg per lane.

**Predicted band size:** 86 kDa



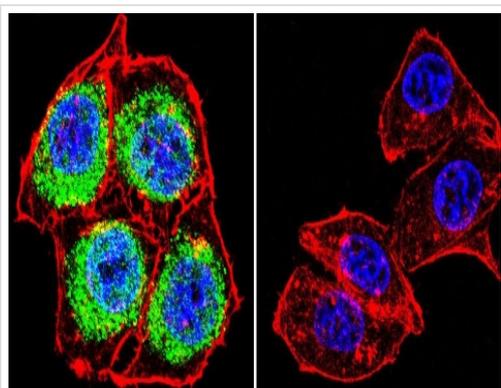
Immunocytochemistry/ Immunofluorescence - Anti-Glucocorticoid Receptor antibody - ChIP Grade (ab3671)

Immunocytochemistry/Immunofluorescence analysis of HEK-293 (Human epithelial cell line from embryonic kidney) cells labeling Glucocorticoid Receptor (green) with ab3671 at 1/100. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



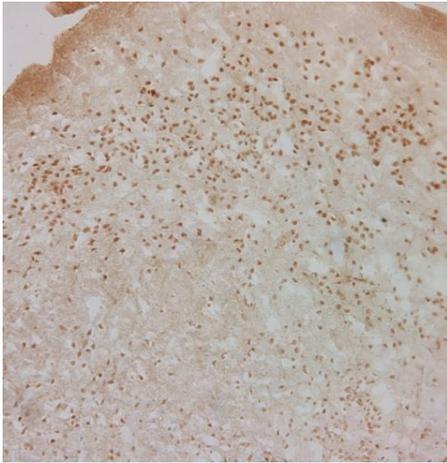
Immunocytochemistry/ Immunofluorescence - Anti-Glucocorticoid Receptor antibody - ChIP Grade (ab3671)

Immunocytochemistry/Immunofluorescence analysis of A2058 (Human metastatic melanoma cell line) cells labeling Glucocorticoid Receptor (green) with ab3671 at 1/100. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



Immunocytochemistry/ Immunofluorescence - Anti-Glucocorticoid Receptor antibody - ChIP Grade (ab3671)

Immunocytochemistry/Immunofluorescence analysis of HeLa (Human epithelial adenocarcinoma cell line) cells labeling Glucocorticoid Receptor (green) with ab3671 at 1/100. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of *Thamnophis sirtalis* (Common garter snake) brain tissue sections labeling Glucocorticoid Receptor with ab3671 at 1/250. Samples were blocked with 10% goat serum in 0.1M PBS. Samples were incubated with the primary antibody for 48 hours at 4°C. A biotin-conjugated goat anti-rabbit was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucocorticoid Receptor antibody - ChIP Grade (ab3671)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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