

# Anti-Glucocorticoid Receptor antibody ab227524

面格新

医薬用外劇物

### 製品の概要

製品名	Anti-Glucocorticoid Receptor antibody
製品の詳細	Rabbit polyclonal to Glucocorticoid Receptor
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP, IHC-P, ICC/IF
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Sheep, Cow, Cat 
免疫原	Recombinant fragment within Human Glucocorticoid Receptor (internal sequence). The exact sequence is proprietary. Database link: <a href="#">P04150</a>
ポジティブ・コントロール	WB: HeLa whole cell extract; Jurkat and Raji whole cell lysates. IP: HeLa whole cell extract. IHC-P: Human colon carcinoma tissue. ICC/IF: A431 cells.
特記事項	<p>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.</p> <p>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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

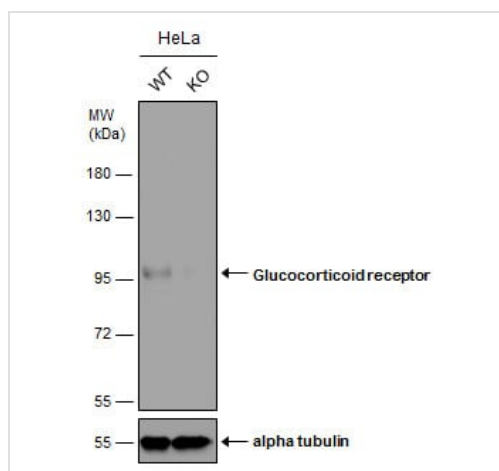
**The Abpromise guarantee** **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab227524の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/3000. Predicted molecular weight: 86 kDa.
IP		1/500 - 1/1000.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

## ターゲット情報

機能	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.
組織特異性	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.
関連疾患	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.
配列類似性	Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.
ドメイン	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
翻訳後修飾	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.
細胞内局在	Cytoplasm. Nucleus. Cytoplasmic in the absence of ligand, nuclear after ligand-binding and Nucleus. Localized largely in the nucleus.

## 画像



Western blot - Anti-Glucocorticoid Receptor antibody (ab227524)

**All lanes :** Anti-Glucocorticoid Receptor antibody (ab227524) at 1/1000 dilution

**Lane 1 :** WT HeLa cell extract

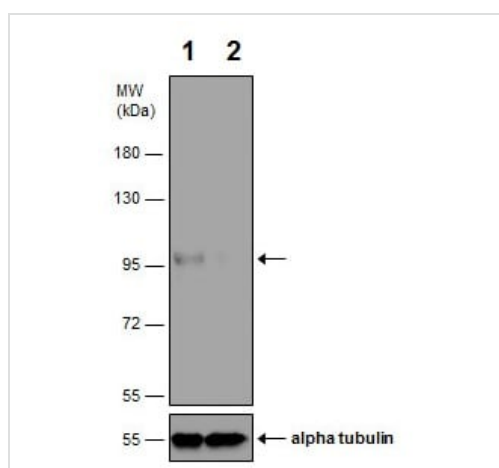
**Lane 2 :** Glucocorticoid Receptor Knockout HeLa cell extracts

Lysates/proteins at 30 µg per lane.

#### Secondary

**All lanes :** HRP-conjugated anti-rabbit IgG

**Predicted band size:** 86 kDa



Western blot - Anti-Glucocorticoid Receptor antibody (ab227524)

**All lanes :** Anti-Glucocorticoid Receptor antibody (ab227524) at 1/1000 dilution

**Lane 1 :** HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract

**Lane 2 :** Glucocorticoid Receptor knockout HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract

Lysates/proteins at 30 µg per lane.

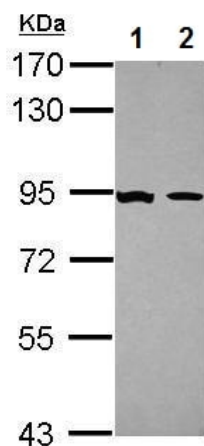
#### Secondary

**All lanes :** HRP-conjugated anti-rabbit IgG

Developed using the ECL technique.

**Predicted band size:** 86 kDa

7.5% SDS-PAGE gel.



Western blot - Anti-Glucocorticoid Receptor antibody (ab227524)

**All lanes :** Anti-Glucocorticoid Receptor antibody (ab227524) at 1/1000 dilution

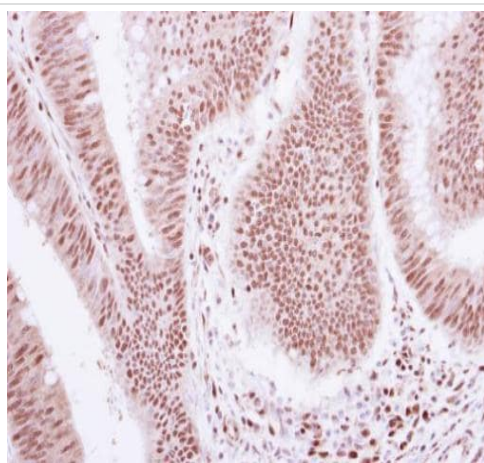
**Lane 1 :** Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

**Lane 2 :** Raji (human Burkitt's lymphoma cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

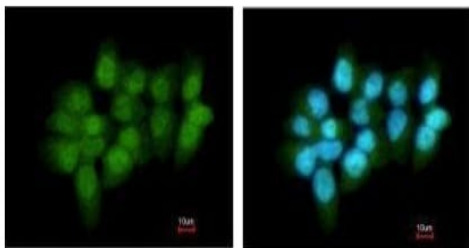
**Predicted band size:** 86 kDa

7.5% SDS-PAGE gel.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucocorticoid Receptor antibody (ab227524)

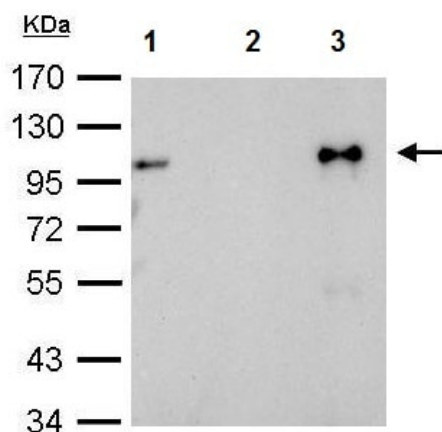
Paraffin-embedded human colon carcinoma tissue stained for Glucocorticoid Receptor using ab227524 at 1/250 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-Glucocorticoid Receptor antibody (ab227524)

Paraformaldehyde-fixed A431 (human epidermoid carcinoma cell line) cells stained for Glucocorticoid Receptor (green) using ab227524 at 1/200 dilution in ICC/IF.

Nuclear counterstain: Hoechst 33342 (blue).



Immunoprecipitation - Anti-Glucocorticoid Receptor antibody (ab227524)

Glucocorticoid Receptor was immunoprecipitated from 1 mg HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate with 2.5 µg of ab227524. Western blot was performed from the immunoprecipitate using ab227524 at 1/1000 dilution.

**Lane 1:** HeLa whole cell lysate 40 µg (Input).

**Lane 2:** 2.5 µg preimmune rabbit IgG instead of ab227524 in HeLa whole cell lysate.

**Lane 3:** ab227524 IP in HeLa whole cell lysate.

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