

Glucocorticoid Receptor Rabbit mAb

Catalog No.: A29489 **Recombinant**

Basic Information

Observed MW

91 kDa/94 kDa

Calculated MW

50-86 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, IHC-P, ChIP, ELISA

Cross-Reactivity

Human, Mouse, Rat, Monkey

CloneNo number

ARC4121

Background

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.

Recommended Dilutions

WB 1:10000-1:100000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells**IF/ICC** 1:1000-1:10000(Human)
1:200-1:2000(Mouse)**IHC-P** 1:1000 - 1:4000**ChIP** 1µg antibody for 10 µg - 15
µg of Chromatin**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

2908

Swiss Prot

P04150

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



*Western blot analysis of lysates from PC-12 cells using Glucocorticoid Receptor Rabbit mAb (A29489) at 1:50000 dilution incubated overnight at 4°C.



Exposure time: 90 s.

*Confocal imaging of HeLa cells and HT-29 cells (negative) using Glucocorticoid Receptor Rabbit mAb (A29489, dilution 1:8000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

*Confocal imaging of L-929 cells using Glucocorticoid Receptor Rabbit mAb (A29489, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



*Confocal imaging of NIH/3T3 cells using Glucocorticoid Receptor Rabbit mAb (A29489, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

*Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

*Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



*Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

*Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

*Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



*Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

*Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

*Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Detection: ECL Basic Kit (RM00020).

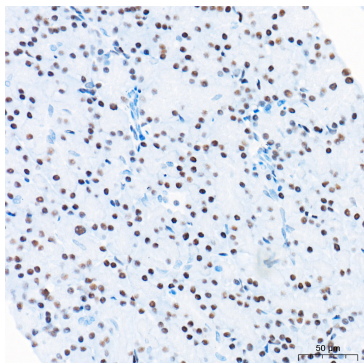
Blocking buffer: 3% nonfat dry milk in TBST.

Lysates/proteins: 25 µg per lane.

Validation Data



Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.



Immunohistochemistry analysis of paraffin-embedded Rat pancreas tissue using Glucocorticoid Receptor Rabbit mAb (A29489) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.