

# Glucocorticoid Receptor Rabbit mAb

Catalog No.: A19583 **Recombinant** **3 Publications**

## Basic Information

**Observed MW**

95kDa

**Calculated MW**

86kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IP

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC0062

## 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 (PMID:15866175).

## Recommended Dilutions

**WB** 1:500 - 1:2000**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

**Gene ID**

2908

**Swiss Prot**

P04150

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 2-180 of human GR (P04150).

**Synonyms**

GR; GCR; GRL; GCCR; GCRST; Glucocorticoid Receptor

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

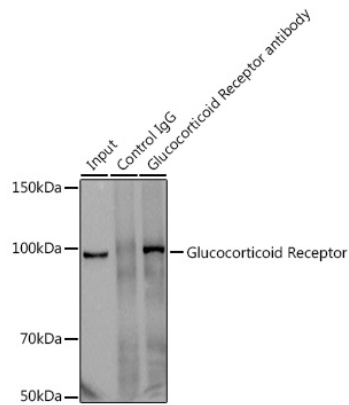
Affinity purification

**Storage**

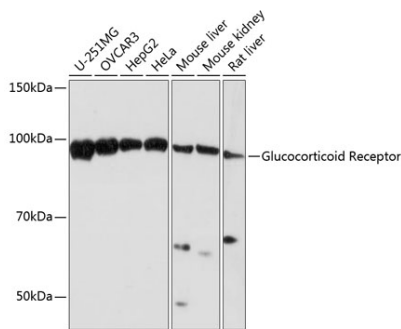
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Immunoprecipitation analysis of 300  $\mu$ g extracts of U-251MG cells using 3  $\mu$ g Glucocorticoid Receptor antibody (A19583). Western blot was performed from the immunoprecipitate using Glucocorticoid Receptor antibody (A19583) at a dilution of 1:1000.



Western blot analysis of various lysates using Glucocorticoid Receptor Rabbit mAb (A19583) at 1:1000 dilution.

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

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.