# Glucocorticoid Receptor Rabbit mAb



Catalog No.: A19583 Recombinant 4 Publications

# **Basic Information**

### **Observed MW**

94kDa

#### **Calculated MW**

86kDa

### Category

Primary antibody

### **Applications**

WB,IP,ELISA

### **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

0.5μg-4μg antibody for IP 200µg-400µg extracts of

whole cells

Recommended starting **ELISA** 

concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID Swiss Prot** 2908 P04150

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

# **Synonyms**

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

# **Contact**

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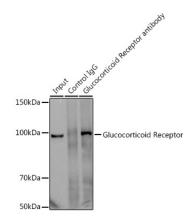
# **Product Information**

Source Isotype **Purification** Rabbit Affinity purification IgG

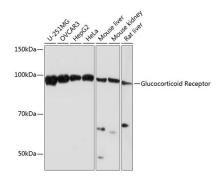
### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



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

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.