

Glucocorticoid Receptor Rabbit mAb
Catalog # AP75493**Specification****Glucocorticoid Receptor Rabbit mAb - Product Information**

Application	WB, IF
Primary Accession	P06537
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	87164

Glucocorticoid Receptor Rabbit mAb - Additional Information

Gene ID 14815

Other Names

Nr3C1

Dilution

WB~~1/500-1/1000

IF~~1/50-1/200

Format

Liquid

Glucocorticoid Receptor Rabbit mAb - Protein Information

Name Nr3c1

Synonyms Grl, Grl1

Function

Receptor for glucocorticoids (GC). Has a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE), both for nuclear and mitochondrial DNA, and as a modulator of other transcription factors. Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Involved in chromatin remodeling (PubMed:10678832). Plays a role in rapid mRNA degradation by binding to the 5' UTR of target mRNAs and interacting with PNRC2 in a ligand-dependent manner which recruits the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay (By similarity). 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 (PubMed:15037546).

Cellular Location

Cytoplasm. Nucleus Mitochondrion {ECO:0000250|UniProtKB:P04150}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:P04150}. Cytoplasm, cytoskeleton, microtubule organizing

center, centrosome {ECO:0000250|UniProtKB:P04150}. Chromosome. Nucleus, nucleoplasm. Note=After ligand activation, translocates from the cytoplasm to the nucleus (PubMed:11278753). The hormone-occupied receptor undergoes rapid exchange between chromatin and the nucleoplasmic compartment (PubMed:10678832). In the presence of NR1D1 shows a time-dependent subcellular localization, localizing to the cytoplasm at ZT8 and to the nucleus at ZT20 (PubMed:27686098) Lacks this diurnal pattern of localization in the absence of NR1D1, localizing to both nucleus and the cytoplasm at ZT8 and ZT20 (PubMed:27686098). Upon dexamethasone binding associates with the glucocorticoid response elements of target genes (PubMed:30698747) [Isoform 3]: Nucleus. Cytoplasm Note=Expressed predominantly in the nucleus with some expression also detected in the cytoplasm.

Tissue Location

Expressed in spleen, kidney and liver (PubMed:20660300). Expressed in a circadian manner in the liver (PubMed:27686098).

Glucocorticoid Receptor Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glucocorticoid Receptor Rabbit mAb - Images



