

For Research Use Only

# Glucocorticoid receptor Monoclonal antibody

Catalog Number: 66904-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 66904-1-Ig	<b>GenBank Accession Number:</b> BC015610	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2908	<b>CloneNo.:</b> 1D9A9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04150	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IHC 1:150-1:600 IF-P 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	
<b>Immunogen Catalog Number:</b> AG28431	<b>Calculated MW:</b> 86 kDa	
	<b>Observed MW:</b> 97 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> HEK-293 cells, HepG2 cells, HeLa cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells, MCF-7 cells, Jurkat cells, K-562 cells, PC-12 cells
<b>Species Specificity:</b> Human, mouse, rat	<b>IHC :</b> mouse brain tissue,
<b>Cited Species:</b> mouse	<b>IF-P :</b> mouse brain tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Glucocorticoid receptor (GR, or GCR) also known as NR3C1 (nuclear receptor subfamily 3, group C, member 1) is a receptor for glucocorticoids, which owns a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE) and as a modulator of other transcription factors. It is involved in cell proliferation and differentiation and specifically implicated in newborn birth weight, thus providing a biological mechanism by which NR3C1 expression may influence birth weight (PMID:22810058).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Liu	35883709	Antioxidants (Basel)	IF
Lisa M Cooper	32639872	Am J Physiol Cell Physiol	WB
Fei Fei	39166014	Heliyon	WB

## Storage

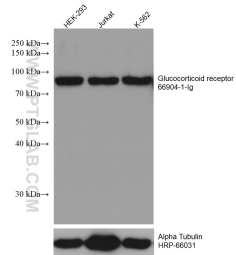
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

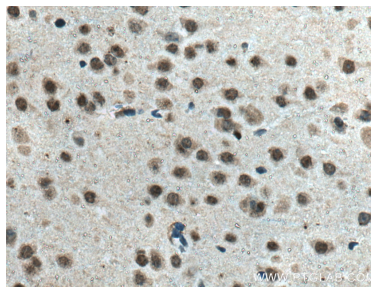
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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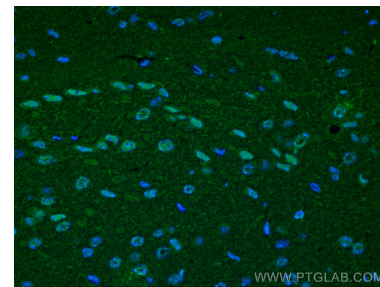
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66904-1-Ig (Glucocorticoid receptor antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66904-1-Ig (Glucocorticoid receptor antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Glucocorticoid receptor antibody (66904-1-Ig, Clone: 1D9A9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).