

For Research Use Only

# Glucocorticoid receptor Monoclonal antibody, PBS Only



Catalog Number: 66904-1-PBS

## Basic Information

<b>Catalog Number:</b> 66904-1-PBS	<b>GenBank Accession Number:</b> BC015610	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2908	<b>CloneNo.:</b> 1D9A9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04150	
<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

**Tested Applications:**  
WB, IF, IHC, ELISA

**Species Specificity:**  
Human, mouse, rat

## 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).

## Storage

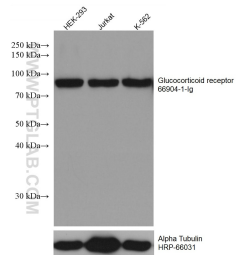
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

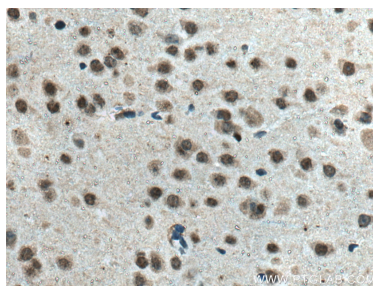
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

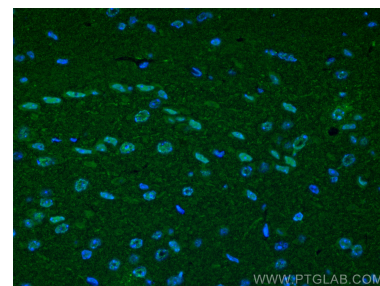
## Selected Validation Data



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. This data was developed using the same antibody clone with 66904-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66904-1-PBS in a different storage buffer formulation.



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 AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66904-1-PBS in a different storage buffer formulation.