

For Research Use Only

Glucocorticoid receptor Monoclonal antibody

Catalog Number: 66904-1-Ig **5 Publications**



Basic Information

Catalog Number: 66904-1-Ig	GenBank Accession Number: BC015610	Purification Method: Protein G purification
Concentration: 1000 μ g/ml	GeneID (NCBI): 2908	CloneNo.: 1D9A9
Source: Mouse	UNIPROT ID: P04150	Recommended Dilutions: WB 1:20000-1:100000 IHC 1:150-1:600 IF-P 1:200-1:800
Isotype: IgG1	Full Name: nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	
Immunogen Catalog Number: AG28431	Calculated MW: 86 kDa	
	Observed MW: 97 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : 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
Species Specificity: Human, mouse, rat	IHC : mouse brain tissue,
Cited Species: human, mouse	IF-P : mouse brain tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Haihua Wang	39820491	Cell Death Dis	WB,IHC

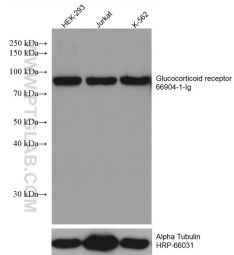
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

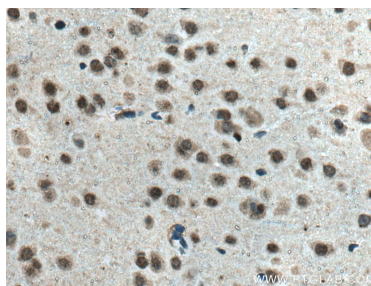
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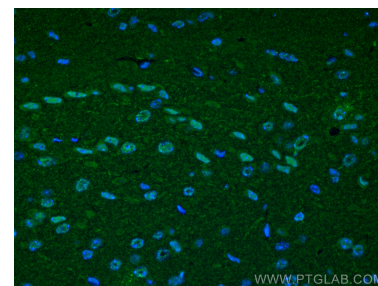
Selected Validation Data



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).