

For Research Use Only

Glucocorticoid receptor Recombinant antibody, PBS Only

Catalog Number: 82619-4-PBS



Basic Information

Catalog Number: 82619-4-PBS	GenBank Accession Number: BC015610	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2908	CloneNo.: 2F22
Source: Rabbit	UNIPROT ID: P04150	
Isotype: IgG	Full Name: nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	
Immunogen Catalog Number: AG21146	Calculated MW: 86 kDa	
	Observed MW: 94-97 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human, mouse

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

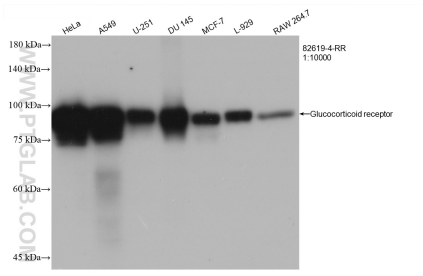
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

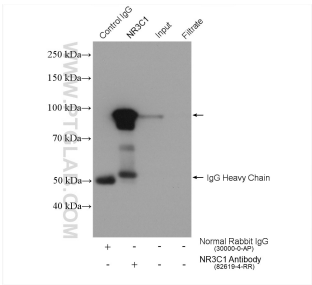
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

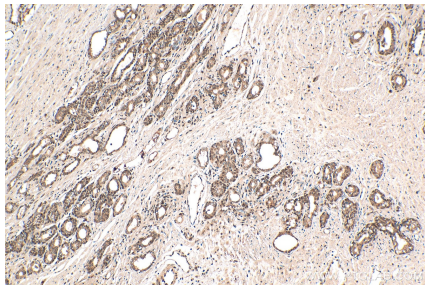
Selected Validation Data



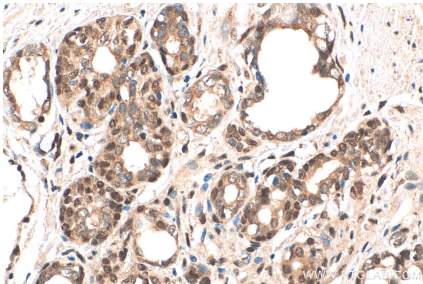
Various lysates were subjected to SDS PAGE followed by western blot with 82619-4-RR (Glucocorticoid receptor antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82619-4-PBS in a different storage buffer formulation.



IP result of anti-Glucocorticoid receptor (IP:82619-4-RR, 4ug; Detection:82619-4-RR 1:8000) with HepG2 cells lysate 1920 ug. This data was developed using the same antibody clone with 82619-4-PBS in a different storage buffer formulation.



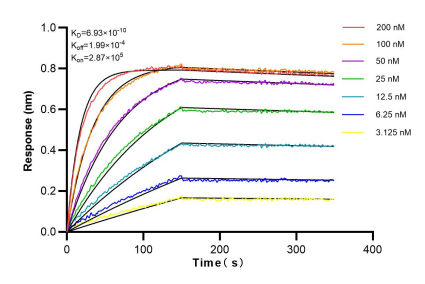
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82619-4-RR (Glucocorticoid receptor antibody) at dilution of 1:350 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82619-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 82619-4-RR (Glucocorticoid receptor antibody) at dilution of 1:350 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82619-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Glucocorticoid receptor antibody (82619-4-RR, Clone: 2F22) at dilution of 1:1000 and Multi-rAb Coralite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red). This data was developed using the same antibody clone with 82619-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82619-4-RR against Human Glucocorticoid receptor were performed. The affinity constant is 0.693 nM.