GR Antibody

Rabbit Polyclonal
Antigen Affinity Purified

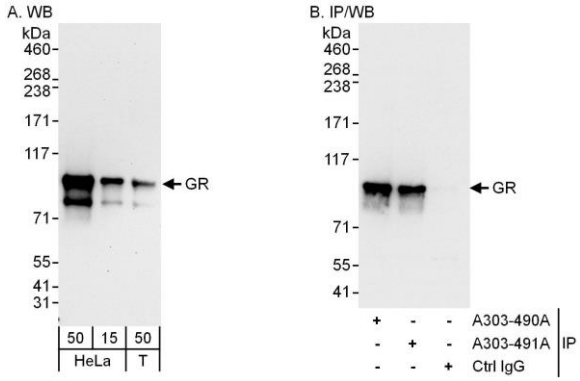
Catalog No.	A303-491A	Protein ID	NP_000167.1
Lot No.	A303-491A-1	GeneID	2908

APPLICATIONS	WB, IP, IHC, ChIP-Seq
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Sheep
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to GR immobilized on solid support. The epitope recognized by A303-491A maps to a region between residue 150 and 200 of human Glucocorticoid Receptor using the numbering given in entry NP_000167.1 (GeneID 2908). Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

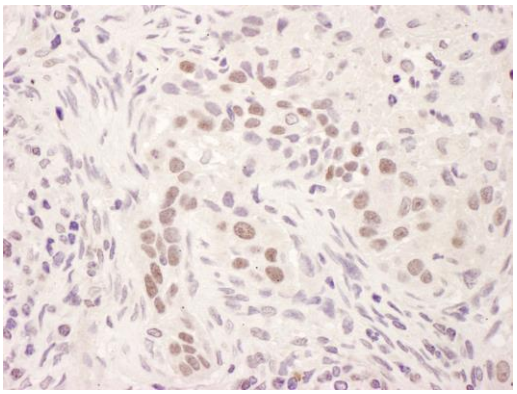
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
ChIP-Seq	4 µg/30 µg chromatin

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Ovarian Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A303-491A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

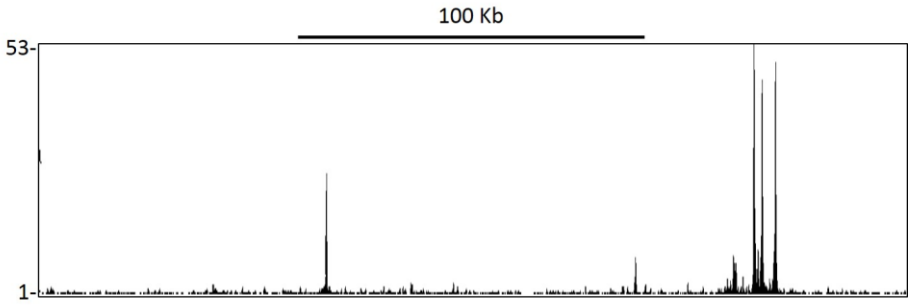
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human GR by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-GR antibody A303-491A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 6 µg/mg lysate. GR was also immunoprecipitated by rabbit anti-GR antibody A303-490A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 1 second (B).



Detection of human GR by immunohistochemistry. *Sample:* FFPE section of human lung carcinoma. *Antibody:* Affinity purified rabbit anti- GR (Cat. No. A303-491A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB



Localization of GR Binding Sites by ChIP-sequencing. Chromatin from prednisolone treated THP-1 cells was immunoprecipitated with anti-GR antibody A303-491A and analyzed by DNA sequencing. The figure illustrates the peak distribution of GR binding within a 250 Kb region of chromosome 6 as detected using anti-GR A303-491A. ChIP-seq validation performed by Active Motif, Carlsbad, CA.