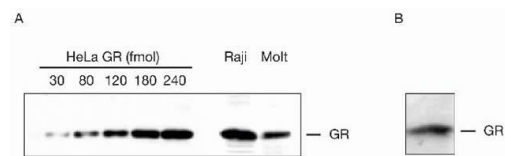


Glucocorticoid Receptor Monoclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Human, Rat
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Raised against the aa 304-428 of human glucocorticoid receptor.
Form	Liquid
Concentration	1 mg/mL
Purification	Ammonium sulfate precipitation
Contains	<0.1% thimerosal
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2533876

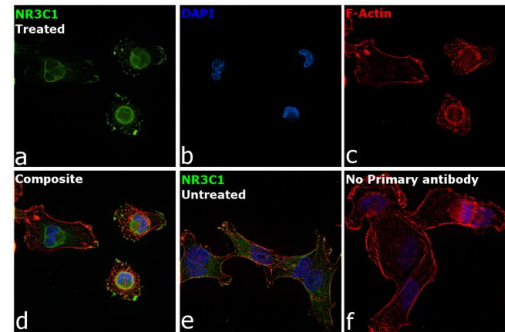
Applications	Tested Dilution	Publications
Western Blot (WB)	1.0 µg/mL	-
Immunohistochemistry (IHC)	2.5 µg/mL	-
Immunocytochemistry (ICC/IF)	2.5-5 µg/mL	-
ELISA (ELISA)	0.5 µg/mL	-
Immunoprecipitation (IP)	5 µg/IP	-
ChIP assay (ChIP)	5 µg	-

Product Images For Glucocorticoid Receptor Monoclonal Antibody



Glucocorticoid Receptor Antibody (49-1026) in WB

Western blot analysis using the anti-hGR monoclonal antibody. (A) Western blot analysis using the anti-hGR monoclonal antibody and extracts from HeLa cells containing the indicated amounts of GR (from 30 to 240 fmol) and from 5 million Raji cells and 5 million Molt cells. (B) 300,000 HeLa cells were also analyzed by western blot using the anti-hGR monoclonal antibody. The anti-hGR monoclonal antibody (clone: m2F8) was used at 1 µg/ml.



Glucocorticoid Receptor Antibody (49-1026)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using Glucocorticoid Receptor Monoclonal Antibody (Product # 49-1026), shows nuclear translocation of Glucocorticoid Receptor protein (NR3C1) in MDA-MB-231 cells upon treatment with dexamethasone, as compared to untreated cells where NR3C1 protein localizes in the cytoplasm. {TM}

Glucocorticoid Receptor Antibody (49-1026) in ICC/IF

Immunofluorescence analysis of Glucocorticoid Receptor (NR3C1) was performed using MDA-MB-231 cells (serum-starved) and MDA-MB-231 cells serum-starved for 24 hours, followed by 1 µM Dexamethasone treatment for 2 hours. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with Glucocorticoid Receptor Monoclonal Antibody (Product # 49-1026) at 5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000), for 45 minutes at room temperature (Panel a: Green) in MDA-MB-231 treated cells. Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization of NR3C1 protein in MDA-MB-231 treated cells. Panel e represents the merged image of MDA-MB-231 untreated cells, that shows cytoplasmic localization of NR3C1 protein. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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