

Glucocorticoid Receptor Antibody

Tested Species Reactivity	Published Species Reactivity
Human (Hu)	Bovine (Bv)
Mouse (Ms)	Human (Hu)
Rat (Rt)	Mouse (Ms)
	Non-human primate (Nhp)
	Ovine (Ov)
	Rabbit (Rb)
	Rat (Rt)
	Yeast (Ys)

Tested Applications	Dilution *
Western Blot (WB)	5 µg/ml
Immunofluorescence (IF)	1:20
Immunocytochemistry (ICC)	1 µg/ml
Immunohistochemistry (Paraffin) (IHC (P))	1:200

Published Applications	Dilution
Western Blot (WB)	See publications
Immunocytochemistry (ICC)	See publications
Immunohistochemistry (IHC)	See publications
Immunoprecipitation (IP)	See publications
ChIP assay (ChIP)	See publications
Gel Shift (GS)	See publications
Blocking Assay (BLOCK)	See publications

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA1-511A
Size:	50 µg
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit /
Immunogen:	Synthetic peptide corresponding to residues D(346) Q K P I F N V I P P I P V G S E N W N R C(367) from human GR.

Form Information	
Form:	Lyophilized
Concentration:	1mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	PBS
Preservative:	no preservative
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information

PA1-511A detects glucocorticoid receptor (GR) from human, mouse and rat tissues.

PA1-511A has been successfully used in Western blot, immunocytochemistry, immunofluorescence, and immunohistochemistry procedures. By Western blot, this antibody detects an ~97 kDa protein representing GR from rat liver extract. Immunocytochemical staining of GR in HeLa cells using PA1-511A results in cytoplasmic staining in the absence of ligand, and nuclear staining after hormone administration.

The PA1-511A immunogen is a synthetic peptide corresponding to residues D(346) Q K P I F N V I P P I P V G S E N W N R C(367) from human GR. The PA1-511A immunizing peptide (Cat. # PEP-001) is available for use in neutralization and control experiments.

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General Information

Steroid receptors are ligand-dependent, intracellular proteins that stimulate transcription of specific genes by binding to specific DNA sequences following activation by the appropriate hormone. Glucocorticoids are a family of steroids necessary for the regulation of energy metabolism and the immune and inflammatory responses. These compounds exert their effect through their interaction with the glucocorticoid receptor (GR) and that complex's subsequent association with DNA. All normal mammalian tissues examined to date have been shown to contain glucocorticoid receptor.

The corresponding gene for the glucocorticoid receptor is NR3C1.

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