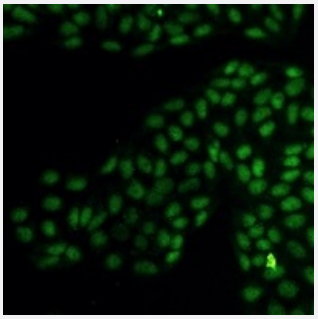
RecomAb™ Sm Size

NR3C1 recombinant monoclonal antibody

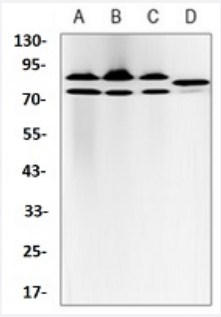
Catalog # RAB09173 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent analysis of HeLa cells with Glucocorticoid Receptor recombinant monoclonal antibody (Cat # RAB09173). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot

Western blot analysis of rat skeletal muscle (A), K562 (B), NIH3T3 (C), Hela (D) whole cell lysates with Glucocorticoid Receptor recombinant monoclonal antibody (Cat # RAB09173).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NR3C1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against Recombinant protein of mouse Glucocorticoid Receptor.
Theoretical MW (kDa)	70, 95
Reactivity	Human, Mouse, Rat

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Specificity	Recognizes endogenous levels of Glucocorticoid Receptor protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent analysis of HeLa cells with Glucocorticoid Receptor recombinant monoclonal antibody (Cat # RAB09173). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Western Blot

  Western blot analysis of rat skeletal muscle (A), K562 (B), NIH3T3 (C), Hela (D) whole cell lysates with Glucocorticoid Receptor recombinant monoclonal antibody (Cat # RAB09173).

Gene Info — NR3C1

Entrez GeneID	2908
Protein Accession#	P04150
Gene Name	NR3C1
Gene Alias	GCCR, GCR, GR, GRL

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Gene Description	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
Omim ID	138040
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a receptor for glucocorticoids that can act as both a transcription factor and as a regulator of other transcription factors. This protein can also be found in heteromeric cytoplasmic complexes along with heat shock factors and immunophilins. The protein is typically found in the cytoplasm until it binds a ligand, which induces transport into the nucleus. Mutations in this gene are a cause of glucocorticoid resistance, or cortisol, resistance. Alternate splicing, the use of at least three different promoters, and alternate translation initiation sites result in several transcript variants encoding the same protein or different isoforms, but the full-length nature of some variants has not been determined. [provided by RefSeq
Other Designations	nuclear receptor subfamily 3, group C, member 1

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Abortion
- Addison Disease
- Adenoma
- Adrenal Gland Neoplasms
- Adrenal hyperplasia
- Arthritis
- Asthma
- Atherosclerosis
- Bipolar Disorder
- Birth Weight
- Breast cancer
- Bronchiolitis

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- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Cerebral Arterial Diseases
- Cerebral Infarction
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Cognition
- Colitis
- Colorectal Neoplasms
- Combat Disorders
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Cushing Syndrome
- Cystic fibrosis
- Dementia
- Demyelinating Diseases
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Disease Susceptibility

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- Drug Toxicity
- Ductus Arteriosus
- Dyslipidemias
- Edema
- Fatigue
- Fatigue Syndrome
- Fetal Diseases
- Fractures
- Genetic Predisposition to Disease
- Glaucoma
- Glucose Intolerance
- Graves Ophthalmopathy
- Growth Disorders
- Guillain-Barre Syndrome
- HELLP Syndrome
- Hirsutism
- Hyperandrogenism
- Hypercholesterolemia
- Hyperlipoproteinemia Type II
- Hypertension
- Infant
- Infection
- Infertility
- Inflammation
- Insulin Resistance
- Kidney Failure

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- Leukemia
- Lung Diseases
- Lupus Erythematosus
- Lymphoma
- Memory
- Mental Disorders
- Mental Processes
- Metabolic Syndrome X
- Mood Disorders
- Multiple Organ Failure
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myasthenia Gravis
- Myocardial Infarction
- Neoplasms
- Nephrotic Syndrome
- Neuropsychological Tests
- Obesity
- Ocular Hypertension
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Pain
- Pituitary Neoplasms
- Polycystic Ovary Syndrome

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- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- Pseudomonas Infections
- Psoriasis
- Psychiatric Status Rating Scales
- Psychophysiologic Disorders
- Psychotic Disorders
- Puberty
- Pulmonary Disease
- Reaction Time
- Recognition (Psychology)
- Recurrence
- Respiratory Distress Syndrome
- Respiratory Syncytial Virus Infections
- Retinal Diseases
- Schizophrenia
- Sepsis
- Skin Diseases
- Skin Neoplasms
- Sleep Disorders
- Somatoform Disorders
- Stomach Neoplasms
- Stress

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- Stress Disorders
- Thrombophilia
- Tobacco Use Disorder
- Ventricular Dysfunction
- Weight Gain
- Wounds and Injuries

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