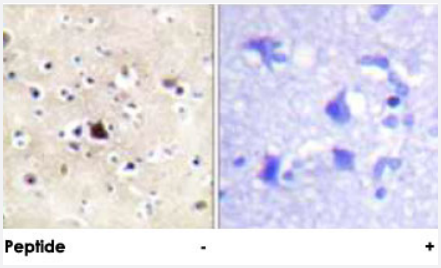
# NR3C1 polyclonal antibody

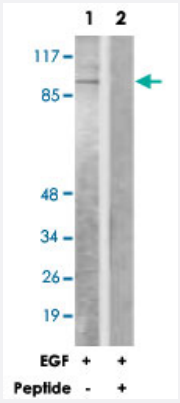
Catalog # PAB18154 Size 100 ug

## Applications




### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using NR3C1 polyclonal antibody (Cat # PAB18154).
Peptide "+" means "peptide blocking".




### Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, treated with EGF (200 ng/mL, 15 mins), using NR3C1 polyclonal antibody (Cat # PAB18154).
Peptide "+" means "peptide blocking".

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of NR3C1. |
| **Immunogen** | A synthetic peptide corresponding to human NR3C1. |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Specificity** | This antibody is specific to NR3C1. |
| **Form** | Liquid |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Purification** | Affinity purification |
| **Concentration** | 1 mg/mL |
| **Recommend Usage** | Western Blot (1:500-1:1000)<br>Immunohistochemistry (1:50-1:100)<br>ELISA (1:10000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human brain tissue using NR3C1 polyclonal antibody (Cat # PAB18154). Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of extracts from Jurkat cells, treated with EGF (200 ng/mL, 15 mins), using NR3C1 polyclonal antibody (Cat # PAB18154).
  Peptide "+" means "peptide blocking".

## Gene Info — NR3C1

| | |
|---|---|
| **Entrez GeneID** | 2908 |
| **Protein Accession#** | P04150 |
| **Gene Name** | NR3C1 |
| **Gene Alias** | GCCR, GCR, GR, GRL |
| **Gene Description** | nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) |
| **Omim ID** | 138040 |
| **Gene Ontology** | Hyperlink |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **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 |

## Publication Reference

- Characterization of transgenic Arabidopsis plants overexpressing GR-RBP4 under high salinity, dehydration, or cold stress.

  Kwak KJ, Kim YO, Kang H.

  Journal of Experimental Botany 2005 Nov; 56(421):3007.

- The Y chromosome gr/gr subdeletion is associated with male infertility.

  Lynch M, Cram DS, Reilly A, O'Bryan MK, Baker HW, de Kretser DM, McLachlan RI.

  Molecular Human Reproduction 2005 Jul; 11(7):507.

- High frequency of gr/gr chromosome Y deletions in consecutive oligospermic ICSI candidates.

  de Llanos M, Ballesca JL, Gazquez C, Margarit E, Oliva R.

  Human Reproduction (Oxford, England) 2005 Jan; 20(1):216.

## Pathway

- Neuroactive ligand-receptor interaction

## Disease

- Abortion
- Addison Disease
- Adenoma
- Adrenal Gland Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Adrenal hyperplasia
- Arthritis
- Asthma
- Atherosclerosis
- Bipolar Disorder
- Birth Weight
- Breast cancer
- Bronchiolitis
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cystic fibrosis
- Dementia
- Demyelinating Diseases
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Disease Susceptibility
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hyperlipoproteinemia Type II
- Hypertension
- Infant
- Infection
- Infertility
- Inflammation
- Insulin Resistance
- Kidney Failure
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Ocular Hypertension
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Pain
- Pituitary Neoplasms
- Polycystic Ovary Syndrome
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Schizophrenia
- Sepsis
- Skin Diseases
- Skin Neoplasms
- Sleep Disorders
- Somatoform Disorders
- Stomach Neoplasms
- Stress
- Stress Disorders
- Thrombophilia
- Tobacco Use Disorder
- Ventricular Dysfunction
- Weight Gain
- Wounds and Injuries

Copyright © 2023 Abnova Corporation. All Rights Reserved.