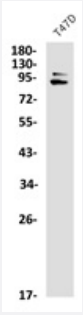
RecomAb™

# PGR (phospho S190) recombinant monoclonal antibody, clone R08-5E7

Catalog # RAB04853 Size 100 uL

## Applications




Western Blot (Cell lysate)

## Specification

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| **Product Description** | Rabbit recombinant monoclonal antibody raised against human PGR. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser190 of human PGR. |
| **Theoretical MW (kDa)** | Calculated MW: 99 kD |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |

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| **Recommend Usage** | Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100)<br>Immunohistochemistry (Frozen sections) (1:50-1:100)<br>Immunoprecipitation(1:20)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

## Gene Info — PGR

| | |
|---|---|
| **Entrez GeneID** | 5241 |
| **Protein Accession#** | P06401 |
| **Gene Name** | PGR |
| **Gene Alias** | NR3C3, PR |
| **Gene Description** | progesterone receptor |
| **Omim ID** | 607311 |
| **Gene Ontology** | Hyperlink |

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|---|---|
| **Gene Summary** | This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promotors and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform A only, and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform B has not been clearly determined. [provided by RefSeq |
| **Other Designations** | - |

## Disease

- Abortion
- Adenocarcinoma
- Adhesions
- Aortic Aneurysm
- Arthritis
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Connective Tissue Diseases
- Diabetes Mellitus
- Ductus Arteriosus
- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Fetal Diseases
- Gender Identity

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- Genetic Predisposition to Disease
- Hyperprolactinemia
- Hypertension
- Infant
- Infection
- Infertility
- Inflammation
- Kidney Failure
- Leiomyoma
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Migraine Disorders
- Musculoskeletal Diseases
- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Osteoporosis
- Ovarian cancer
- Ovarian Cysts
- Ovarian Failure
- Ovarian Neoplasms
- Panic Disorder
- Peritoneal Diseases
- Polycystic Ovary Syndrome
- Pregnancy Complications

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- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Disease
- Skin Diseases
- Stomach Neoplasms
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Diseases
- Uterine Neoplasms
- Vertigo
- Werner syndrome

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