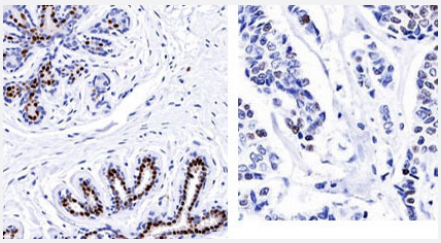
# PGR monoclonal antibody, clone PR501

Catalog # MAB11328 Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) analysis of normal human breast (left) and invasive ductal carcinoma (right) with PGR monoclonal antibody, clone PR500 (Cat # MAB11317) at 1:500 using peroxidase-conjugate and DAB chromogen.

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against recombinant PGR. |
| **Immunogen** | Recombinant human Progesterone Receptor protein |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein G purification |
| **Isotype** | IgG1, kappa |
| **Recommend Usage** | Western Blot (0.5-1.0ug/ml for 2 hours at Room Temp)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS, pH 7.4 (0.05% BSA and 0.05% sodium azide) |
| **Storage Instruction** | Store at 4°C.<br>Aliquot to avoid repeated freezing and thawing. |

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|---|---|
| **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 staining (Formalin-fixed paraffin-embedded sections) analysis of normal human breast (left) and invasive ductal carcinoma (right) with PGR monoclonal antibody, clone PR500 (Cat # MAB11317) at 1:500 using peroxidase-conjugate and DAB chromogen.

- Western Blot

## Gene Info — PGR

| | |
|---|---|
| **Entrez GeneID** | 5241 |
| **Gene Name** | PGR |
| **Gene Alias** | NR3C3, PR |
| **Gene Description** | progesterone receptor |
| **Omim ID** | 607311 |
| **Gene Ontology** | Hyperlink |
| **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 associ ated with the establishment and maintenance of pregnancy. This gene uses two distinct promotor s and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms ar e identical except for the additional 165 amino acids found in the N-terminus of isoform A only, an d mediate their own response genes and physiologic effects with little overlap. The location of tran scription initiation for isoform B has not been clearly determined. [provided by RefSeq |
| **Other Designations** | - |

## Disease

- Abortion
- Adenocarcinoma
- Adhesions

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- 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
- Genetic Predisposition to Disease
- Hyperprolactinemia
- Hypertension
- Infant
- Infection
- Infertility
- Inflammation
- Kidney Failure
- Leiomyoma
- Lung Neoplasms

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- 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
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Disease
- Skin Diseases
- Stomach Neoplasms
- Thrombophilia

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- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Diseases
- Uterine Neoplasms
- Vertigo
- Werner syndrome

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