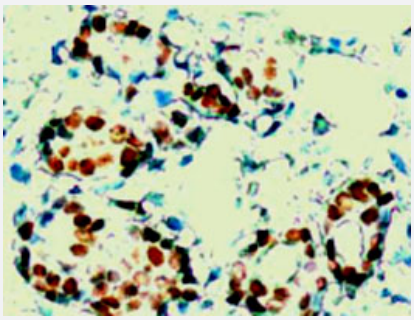
PGR polyclonal antibody

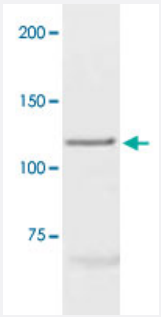
Catalog # PAB12723 Size 100 ug

Applications



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

Immunohistochemical staining of human breast cancer tissue stained with PGR polyclonal antibody (Cat # PAB12723) at 1 : 200 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



Western Blot (Cell lysate)

The cell lysate derived from MCF-7 was immunoprobed by PGR polyclonal antibody (Cat # PAB12723) at 1 : 500.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PGR.
Immunogen	A synthetic peptide corresponding to C-terminus of human PGR.
Host	Rabbit
Theoretical MW (kDa)	116
Reactivity	Human
Specificity	This antibody recognizes ~116 KDa of human PGR.
Form	Liquid

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Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemical staining of human breast cancer tissue stained with PGR polyclonal antibody (Cat # PAB12723) at 1 : 200 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

- Western Blot (Cell lysate)

  The cell lysate derived from MCF-7 was immunoprobed by PGR polyclonal antibody (Cat # PAB12723) at 1 : 500.

Gene Info — PGR

Entrez GeneID	5241
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	-

Publication Reference

- The association between histone 3 lysine 27 trimethylation (H3K27me3) and prostate cancer: relationship with clinicopathological parameters.

  Marjolaine Ngollo, Andre Lebert, Aslihan Dagdemir, Gaelle Judes, Seher Karsli-Ceppioglu, Marine Daures, Jean-Louis Kemeny, Frederique Penault-Llorca, Jean-Paul Boiteux, Yves-Jean Bignon, Laurent Guy, Dominique Bernard-Gallon

  BMC Cancer 2014 Dec; 14:994.

  Application: WB

- Anti-estrogenic effect of unliganded progesterone receptor is estrogen-selective in breast cancer cells MCF-7.

  Zheng ZY, Lin VC.

  Cancer Letters 2008 Sep; 268(2):202.

  Application: WB-Tr, Human, MCF-7, MDA-MB-231 cells

Disease

- Abortion
- Adenocarcinoma
- Adhesions
- Aortic Aneurysm
- Arthritis
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases

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- 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
- Lymphatic Metastasis
- Lymphoma
- Migraine Disorders
- Musculoskeletal Diseases
- Neoplasm Invasiveness
- Neoplasms

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

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