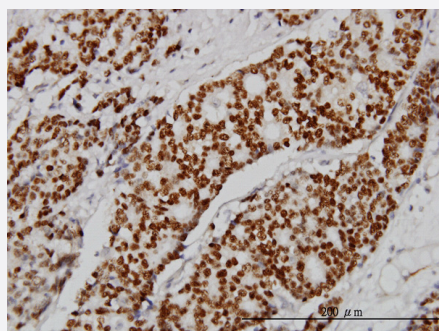


PGR monoclonal antibody (M07), clone 5D10

Catalog # H00005241-M07

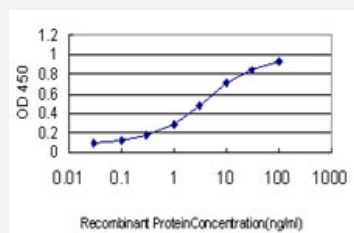
Size 100 ug

Applications



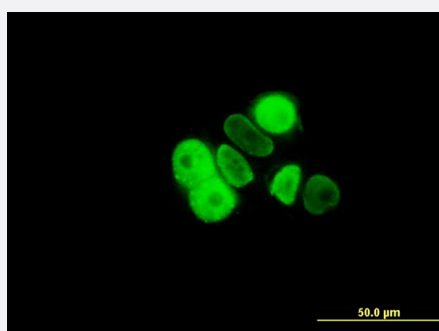
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



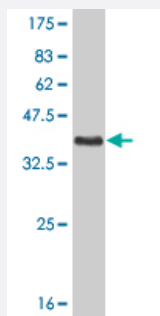
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGR is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell . [antibody concentration 20 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PGR. This PGR gene uses two distinct promoters 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 B. Our immunogen corresponds to the specific region of isoform B, thus this antibody is a PGR isoform B specific antibody.
Immunogen	PGR (NP_000917, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFPGSQTSIDLPEVSAIPISLDGLLFPRPCQGQDPSDEKTQDQQSLSDVEGAYSRAEATRGAGGSSSSPPEKDSSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62); Rat (60)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGR is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell . [antibody concentration 20 ug/ml]

Gene Info — PGR

Entrez GeneID [5241](#)

GeneBank Accession# [NM_000926](#)

Protein Accession# [NP_000917](#)

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 associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters 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

- [Major Functional Transcriptome of an Inferred Center Regulator of an ER\(-\) Breast Cancer Model System.](#)

Liu LY, Chang LY, Kuo WH, Hwa HL, Lin YS, Huang SF, Chen CN, Chang KJ, Hsieh FJ.

Cancer Informatics 2012 Apr; 11:87.

Application: IHC-P, Human, Human breast cancer

- [In Silico Prediction for Regulation of Transcription Factors on Their Shared Target Genes Indicates Relevant Clinical Implications in a Breast Cancer Population.](#)

Liu LY, Chang LY, Kuo WH, Hwa HL, Shyu MK, Chang KJ, Hsieh FJ.

Cancer Informatics 2012 Apr; 11:113.

Application: IHC-P, Human, Human breast cancer

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](#)
- [Genetic Predisposition to Disease](#)
- [Hyperprolactinemia](#)
- [Hypertension](#)
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- [Infection](#)
- [Infertility](#)
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- [Ovarian Cysts](#)
- [Ovarian Failure](#)

- [Ovarian Neoplasms](#)
- [Panic Disorder](#)
- [Peritoneal Diseases](#)
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- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Diseases](#)
- [Uterine Neoplasms](#)
- [Vertigo](#)
- [Werner syndrome](#)