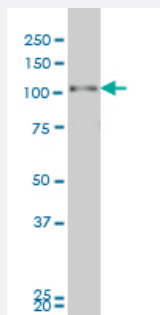


PGR monoclonal antibody (M04), clone 2C2

Catalog # H00005241-M04

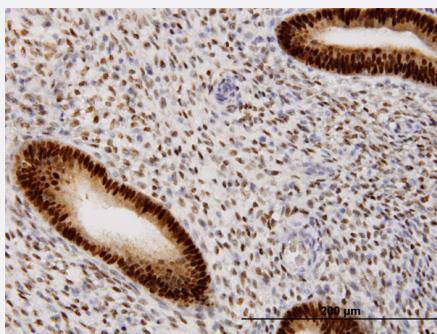
Size 100 ug

Applications



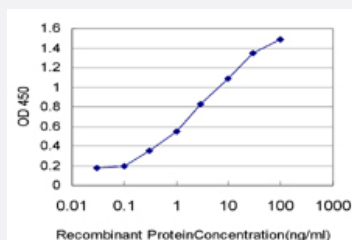
Western Blot (Cell lysate)

PGR monoclonal antibody (M04), clone 2C2 Western Blot analysis of PGR expression in A-431 (Cat # L015V1).



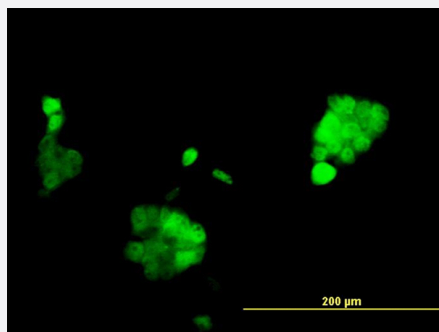
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 1.5 ug/ml]



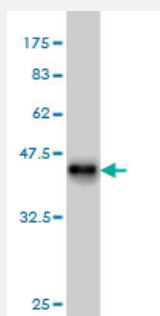
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGR is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PGR on A-431 cell. [antibody concentration 10 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	MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFGSQTSIDLPEVSAIPISLDGLLFPRPCQ GQDPSDEKTQDQQSLSDVEGAYSRAEATRGAGGSSSSPPEKDSGL
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 (Cell lysate)

PGR monoclonal antibody (M04), clone 2C2 Western Blot analysis of PGR expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- 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 endometrium. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGR is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PGR on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — PGR

Entrez GeneID	5241
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GeneBank Accession#	NM_000926
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Protein Accession#	NP_000917
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Gene Name	PGR
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Gene Alias	NR3C3, PR
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Gene Description	progesterone receptor
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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 -

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](#)
- [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](#)
- [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](#)