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# PGR Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant PGR. This PGR gene uses two distinct
Catalog # AT3288a

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, IF, E |
| **Primary Accession** | P06401 |
| **Other Accession** | NM_000926 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Names** | 5D10 |
| **Calculated MW** | 98981 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 5241 |
| **Other Names** | Progesterone receptor, PR, Nuclear receptor subfamily 3 group C member 3, PGR, NR3C3 |
| **Target/Specificity** | PGR (NP_000917, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | PGR Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures. |

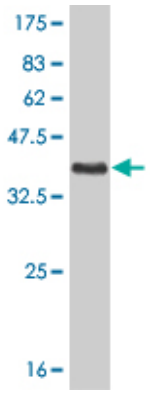
## Background

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 B and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform A has not been clearly determined.

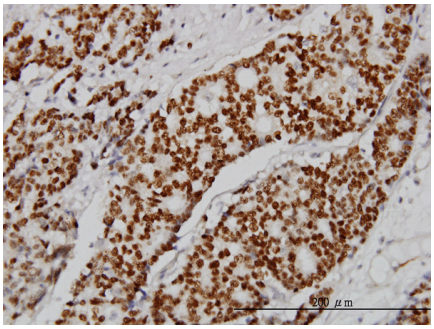
## References

1.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 Inform. 2012;11:87-111. Epub 2012 Apr 19.2.In Silico Prediction for Regulation of Transcription Factors onTheir 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 Inform. 2012;11:113-37. Epub 2012 Apr 19.

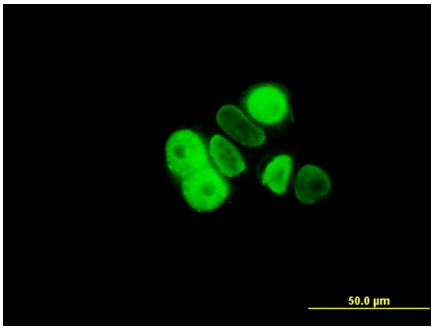
## Images



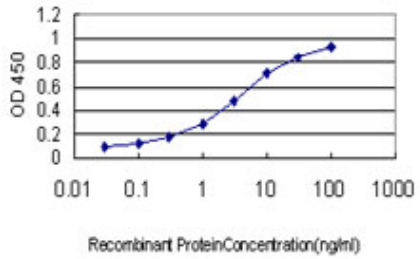

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



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




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




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.