

**PGR Antibody (monoclonal) (M08)**

Mouse monoclonal antibody raised against a partial recombinant PGR. This PGR gene uses two distinct  
Catalog # AT3289a

**Specification**

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**PGR Antibody (monoclonal) (M08) - Product Information**

Application	WB, IHC, IF, E
Primary Accession	<a href="#">P06401</a>
Other Accession	<a href="#">NM_000926</a>
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	98981

**PGR Antibody (monoclonal) (M08) - 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**

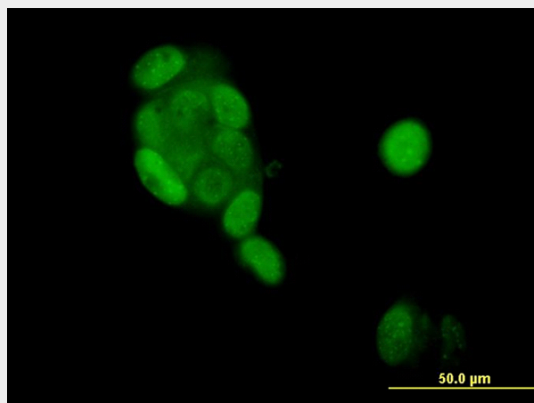
PGR Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

**PGR Antibody (monoclonal) (M08) - Protocols**

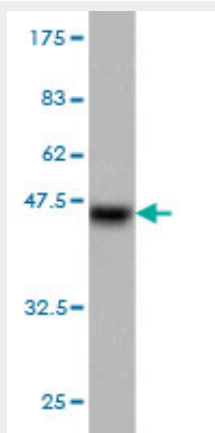
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

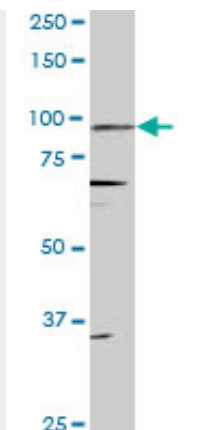
#### **PGR Antibody (monoclonal) (M08) - Images**



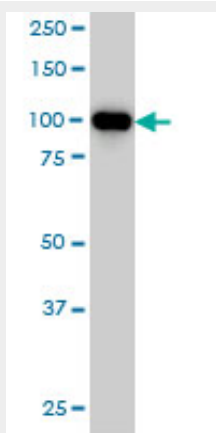
Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell . [antibody concentration 10 ug/ml]



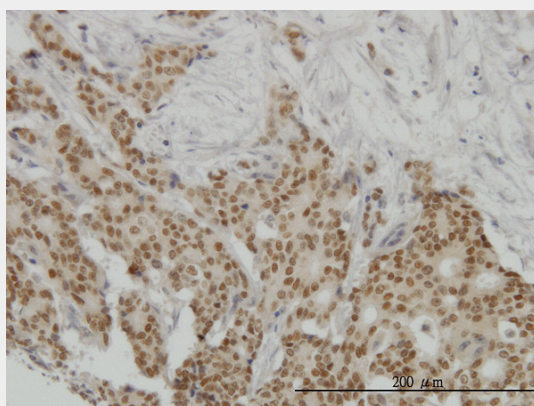
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



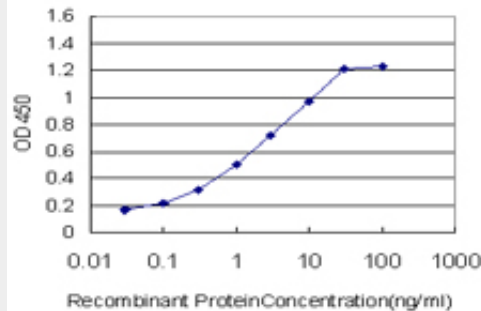
PGR monoclonal antibody (M08), clone 4E9. Western Blot analysis of PGR expression in PC-12 (Cat # AT3289a)



PGR monoclonal antibody (M08), clone 4E9 Western Blot analysis of PGR expression in MCF-7 (Cat # AT3289a)



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



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

### **PGR Antibody (monoclonal) (M08) - 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 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 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.

### **PGR Antibody (monoclonal) (M08) - References**

1. Comparison of estrogenic responses in bone and uterus depending on the parity status in Lewis rats. Keiler AM, Bernhardt R, Scharnweber D, Jarry H, Vollmer G, Zierau O. J Steroid Biochem Mol Biol. 2012 Sep 29. pii: S0960-0760(12)00189-6. doi: 10.1016/j.jsbmb.2012.09.023.