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PGR Antibody (monoclonal) (M08)

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

Product Information

Application	WB, IHC, IF, E
Primary Accession	P06401
Other Accession	NM_000926
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4E10
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) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

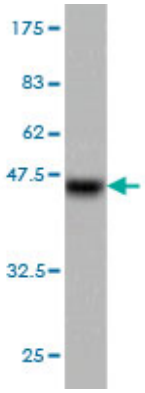
Background

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.

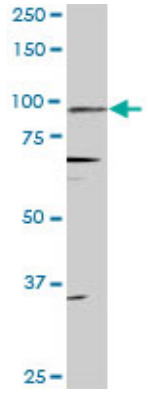
References

1.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.

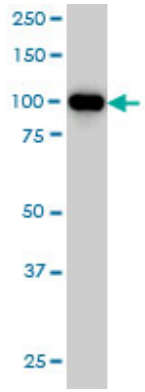
Images



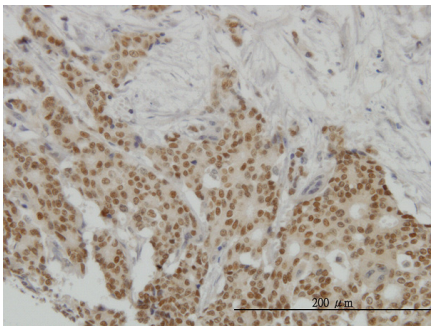
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



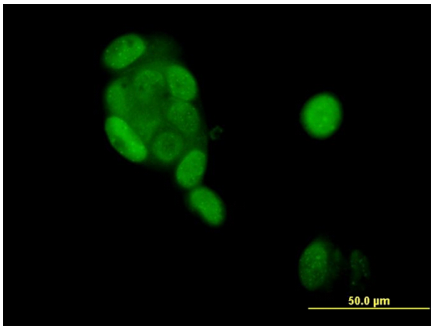
PGR monoclonal antibody (M08), clone 4E9. Western Blot analysis of PGR expression in PC-12 ((Cat # AT3289a)



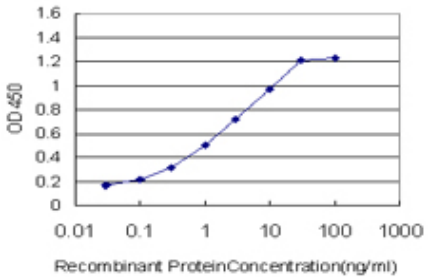
PGR monoclonal antibody (M08), clone 4E9 Western Blot analysis of PGR expression in MCF-7 ((Cat # AT3289a)



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



Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell . [antibody concentration 10 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'.