

Product datasheet for **CF802704**

Progesterone Receptor (PGR) Mouse Monoclonal Antibody [Clone ID: OTI11E8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI11E8
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-298 of human PGR (NP_000917) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98.8 kDa
Gene Name:	progesterone receptor
Database Link:	NP_000917 Entrez Gene 5241 Human P06401



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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. [provided by RefSeq, Jan 2011]

Synonyms:

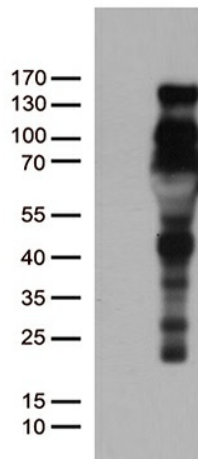
NR3C3; PR

Protein Families:

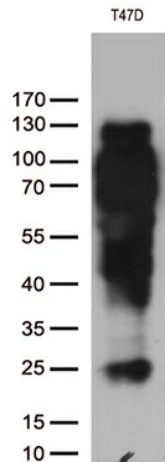
Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways:

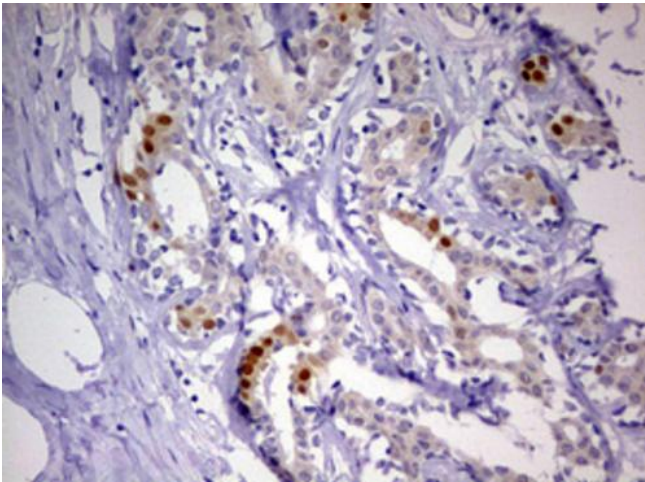
Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:


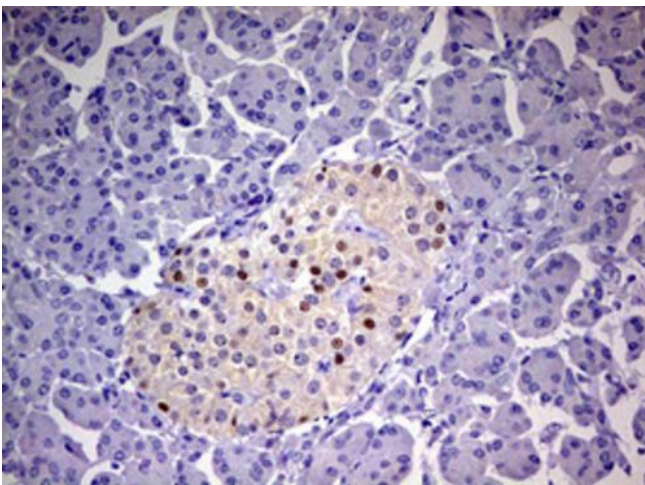
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PGR ([RC221303], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PGR. (1:5. Positive lysates [LY424456] (100ug) and [LC424456] (20ug) can be purchased separately from OriGene.



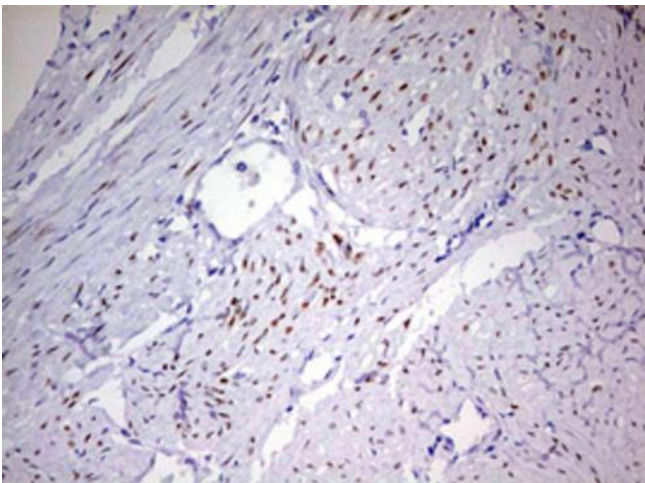
Western blot analysis of extracts (35ug) from T47D cells by using anti-PGR monoclonal antibody (1:500).



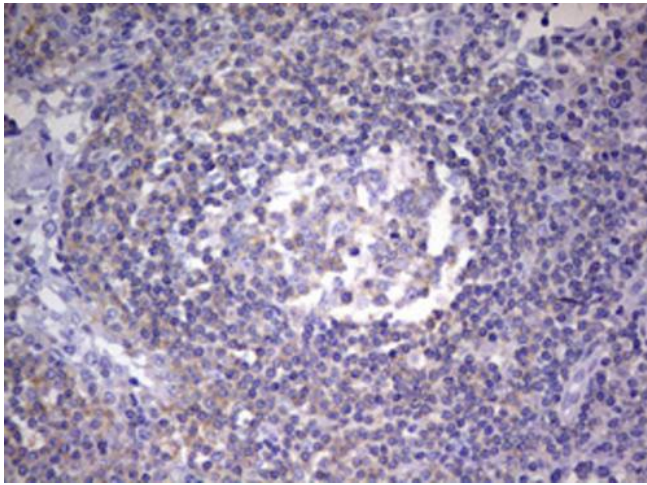
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PGR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802704]) (1:150)



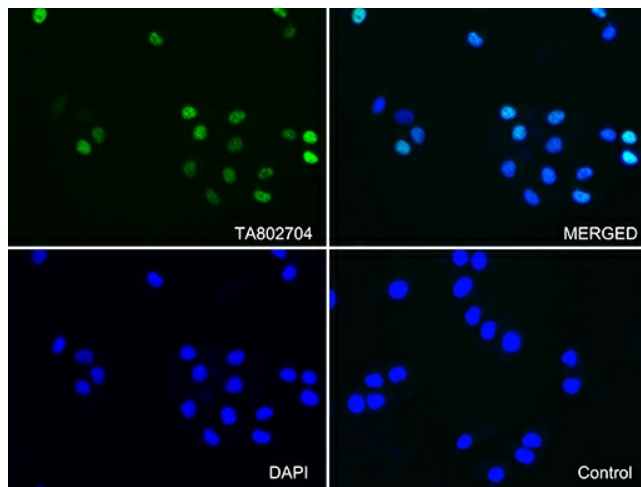
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PGR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802704]) (1:150)



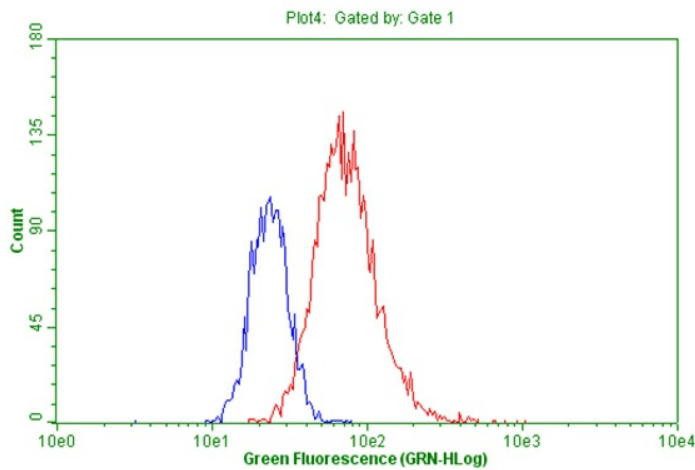
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-PGR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802704]) (1:150)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-PGR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802704])



Immunofluorescent staining of T47D cells using anti-PGR mouse monoclonal antibody ([TA802704], green, upper left; merged, upper right) or Isotype control (merged, lower right). Cell nuclei were stained with DAPI (blue, lower left) (1:100).



Flow cytometric Analysis of MCF-7 cells_penetrated, using anti-PGR antibody ([TA802704]), (Red), compared to PBS, (Blue) (1:200).