

Product datasheet for **AP53273PU-N**

Progesterone Receptor (PGR) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 348-377 amino acids from the Central region of human Progesterone receptor
Specificity:	This antibody recognizes Human Progesterone receptor (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	progesterone receptor
Database Link:	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. The location of transcription initiation for isoform A has not been clearly determined.

Synonyms:

PR, PGR, NR3C3

Note:

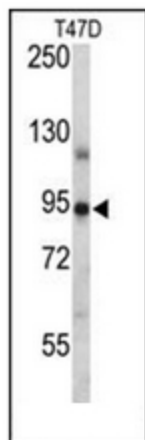
Molecular Weight: 98981 Da

Protein Families:

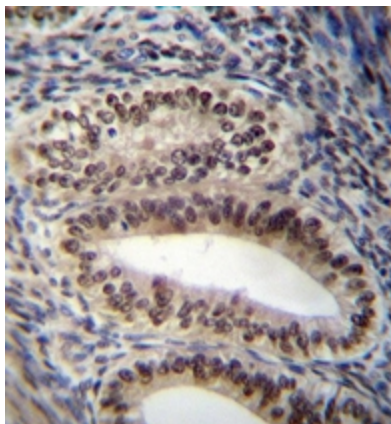
Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways:

Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:

Western blot analysis of PGR Antibody (Center) in T47D cell line lysates (35ug/lane). This demonstrates the PGR antibody detected the PGR/PR protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue reacted with PGR Antibody (Center), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of PGR Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.