

# Anti-Progesterone Receptor antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22442a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P06401</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit Ig
<b>Clone Names</b>	R03386
<b>Calculated MW</b>	98981

## Additional Information

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<b>Gene ID</b>	5241
<b>Other Names</b>	Progesterone receptor, PR, Nuclear receptor subfamily 3 group C member 3, PGR, NR3C3
<b>Target/Specificity</b>	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.
<b>Dilution</b>	WB~~1:500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Anti-Progesterone Receptor antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PGR
<b>Synonyms</b>	NR3C3
<b>Function</b>	The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as a transcriptional activator or repressor.

<b>Cellular Location</b>	Nucleus. Cytoplasm. Note=Nucleoplasmic shuttling is both hormone- and cell cycle-dependent. On hormone stimulation, retained in the cytoplasm in the G(1) and G(2)/M phases [Isoform 4]: Mitochondrion outer membrane
<b>Tissue Location</b>	In reproductive tissues the expression of isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B are expressed in comparable levels in uterine glandular epithelium during the proliferative phase of the menstrual cycle. Expression of isoform B but not of isoform A persists in the glands during mid-secretory phase. In the stroma, isoform A is the predominant form throughout the cycle. Heterogeneous isoform expression between the glands of the endometrium basalis and functionalis is implying region-specific responses to hormonal stimuli

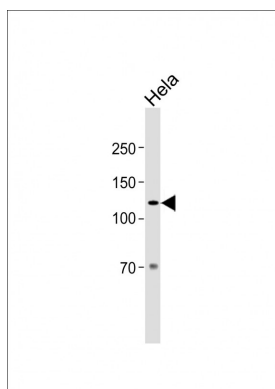
## Background

The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as a transcriptional activator or repressor.

## References

Kastner P.,et al.EMBO J. 9:1603-1614(1990).  
 Misrahi M.,et al.Biochem. Biophys. Res. Commun. 143:740-748(1987).  
 Kieback D.G.,et al.Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases.  
 Hisatomi H.,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.  
 Chen C.,et al.Mol. Phylogenet. Evol. 47:637-649(2008).

## Images



All lanes: Anti-Anti-Progesterone Receptor antibody at 1:500 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 125 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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