

**Anti-Progesterone Receptor antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22442a**

**Specification**

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**Anti-Progesterone Receptor antibody - Product Information**

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

**Anti-Progesterone Receptor antibody - Additional Information**

**Gene ID** 5241

**Other Names**

Progesterone receptor, PR, Nuclear receptor subfamily 3 group C member 3, PGR, NR3C3

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

**Dilution**

WB~~1:500

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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.

**Precautions**

Anti-Progesterone Receptor antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Progesterone Receptor antibody - Protein Information**

**Name** PGR

**Synonyms** NR3C3

**Function** 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.

#### Cellular Location

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

#### Tissue Location

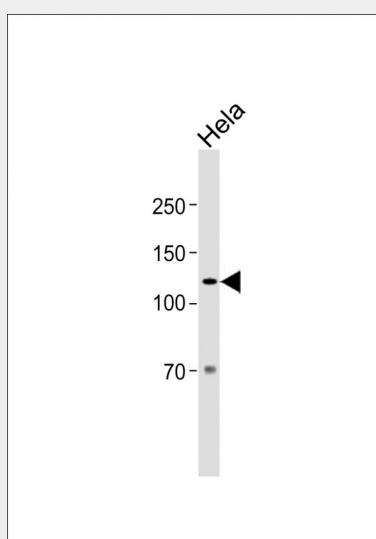
In reproductive tissues the expression of isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B are expressed in comparable levels in uterine glandular epithelium during the proliferative phase of the menstrual cycle. Expression of isoform B but 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

### Anti-Progesterone Receptor antibody - 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](#)

### Anti-Progesterone Receptor antibody - Images



All lanes: 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% NFD/MTBST.

### Anti-Progesterone Receptor antibody - 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.

#### **Anti-Progesterone Receptor antibody - 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).