

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

Anti-Progesterone Receptor antibody - Product Information

Application	WB,E
Primary Accession	P06401
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

E~~Use at an assay dependent concentration.

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

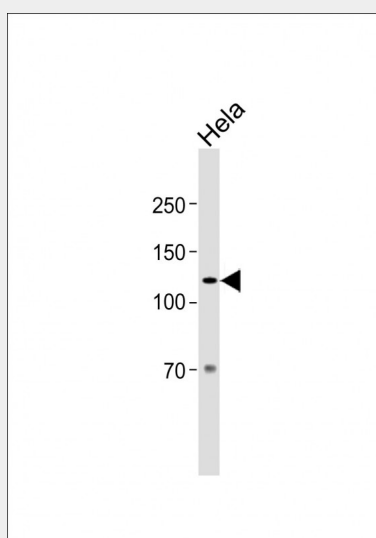
In reproductive tissues the expression of isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B are expressed in comparable levels in uterine glandular epithelium during the proliferative phase of the menstrual cycle. Expression of isoform B but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