

## Product datasheet for **AM21049PU-N**

### Progesterone Receptor (PGR) (C-term) Mouse Monoclonal Antibody [Clone ID: PR-6A]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PR-6A
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Frozen Sections:</b> 2 µg/ml (1/100). <b>Immunohistochemistry on Paraffin Sections:</b> 20 µg/ml (1/10). Proteinase K pretreatment for antigen retrieval is recommended. <i>Suggested Positive Control:</i> Swine Uterus
Reactivity:	Chicken, Human, Rabbit
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Peptide A922-K933. <b>Epitope:</b> C-terminal region.
Specificity:	This antibody PR-6A recognizes the Human Progesterone Receptor in the C-terminal ligand-binding domain. Therefore, it recognizes isoforms A and B. <b>Antigen Distribution:</b> Nuclear hormone receptor, widely expressed.
Formulation:	Stock solution contains PBS, pH 7.2 with 5 mg/ml BSA as stabilizer and 0.01% Kathon as a preservative. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore by adding 0.5 ml distilled water
Concentration:	0.2 mg/ml (after reconstitution)
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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**Stability:** Shelf life: one year from despatch.

**Gene Name:** progesterone receptor

**Database Link:** [Entrez Gene 5241 Human P06401](#)

**Background:** The progesterone receptor is an intracellular steroid receptor that specifically binds progesterone. Expressed by a single gene (chromosome 11q22), it has two main forms, A and B, that differ in their molecular weight. It has been proposed that expression of PR determination indicates a responsive estrogen receptor (ER) pathway, and therefore, may predict likely response to endocrine therapy in human breast cancer. A number of studies have shown that PR determination provides supplementary information to ER, in predicting response to endocrine therapy as well as estimating survival. PR has proved superior to ER as a prognostic indicator in some studies.

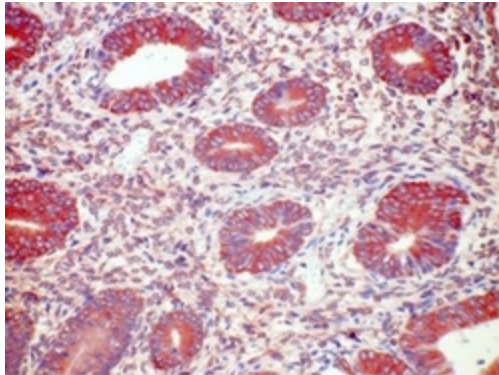
The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues.

**Synonyms:** PR, PGR, NR3C3

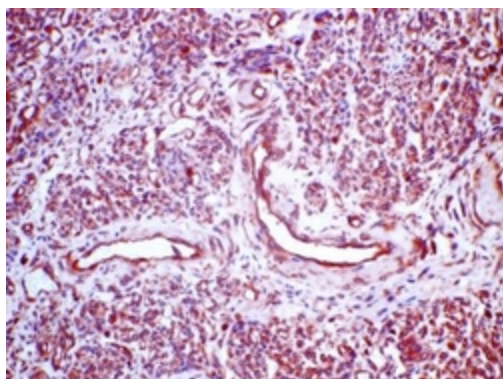
**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Protein Pathways:** Oocyte meiosis, Progesterone-mediated oocyte maturation

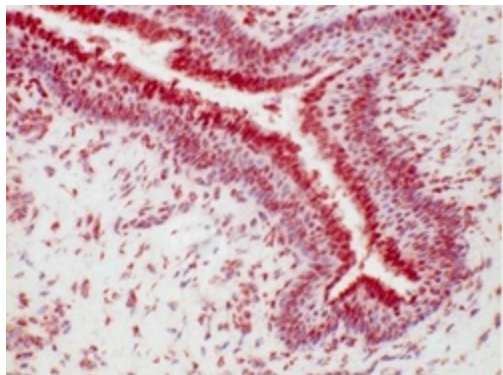
### Product images:



Human Uterus, Paraffin Section stained with Progesterone receptor Antibody (Clone PR-6A)



Human Uterus, Paraffin Section stained with Progesterone receptor Antibody (Clone PR-6A)



Swine Uterus, Frozen Section stained with Progesterone receptor Antibody (Clone PR-6A)