10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Progesterone Receptor Antibody

Rabbit mAb
Catalog # AP90593

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P06401
Reactivity	Human
Clonality	Monoclonal
Other Names	NR3C3; PGR; PRGR; Progesterone receptor;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	98981

Additional Information

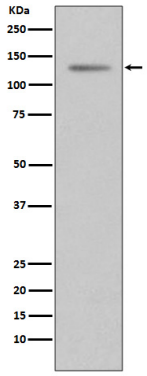
Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Progesterone Receptor
Description	Progesterone plays a central role in the reproductive events associated with the establishment and maintenance of pregnancy. Progesterone receptor, a member of the steroid receptor superfamily, mediates the physiologic effects of progesterone.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of Progesterone Receptor expression in T47 D cell lysate.

Image not found : 202311/AP90593-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human uterus, using Progesterone Receptor Antibody.

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