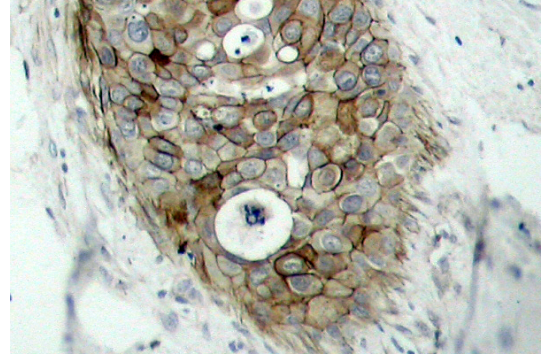


AP06291PU-N**Polyclonal Antibody to Progesterone receptor - Aff - Purified**

Alternate names:	NR3C3, Nuclear Receptor Subfamily 3 Group C Member 3, PGR, PR
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<p>The effects of progesterone are mediated by two functionally different isoforms of the progesterone receptor, PR-A and PR-B, which are transcribed from distinct, estrogen inducible promoters within a single copy of the PR gene. The PR-A and PR-B proteins are 94 kDa and 114 kDa respectively; the first 164 amino acids of PR-B are absent in PR-A. Progesterone bound PR-A and PR-B have different transcription activation properties. Specifically, PR-B functions as a transcriptional activator in most cell and promoter contexts, while PR-A is transcriptionally inactive and functions as a strong ligand dependent transdominant repressor of steroid hormone receptor transcriptional activity. An inhibitory domain (ID), which maps to the amino terminus of the receptor, exists within both PR isoforms. Interestingly, the ID is functionally active only in PR-A and is necessary for steroid hormone transrepression by PR-A, suggesting that PR-A and PR-B may have different conformations in the cell. Phosphorylation of human PR occurs on at least nine serine residues.</p>
Uniprot ID:	P06401
NCBI:	NP_000917.3
GenID:	5241
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 151-200 of Human PR.
Format:	State: Liquid purified Ig fraction Purification: Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE) Buffer System: Phosphate buffered saline (PBS), pH 7.2. Preservatives: 0.05% sodium azide
Applications:	Western blot: 1/500-1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 90, 118 kDa
Specificity:	This antibody detects endogenous levels of Progesterone Receptor protein. (region surrounding Val184)
Species Reactivity:	Tested: Human.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analysis with Progesterone Receptor antibody (Cat.-No.: AP06291PU-N) on paraffin-embedded sections.



Western blot (WB) analysis of Progesterone Receptor antibody (Cat.-No.: AP06291PU-N) in extracts from COS7 treated with EGF.

