

Product datasheet for **TA309221**

Progesterone Receptor (PGR) Mouse Monoclonal Antibody [Clone ID: 608]

Product data:

Product Type:	Primary Antibodies
Clone Name:	608
Applications:	WB
Recommended Dilution:	WB: 1:1000, IHC: 1:1000
Reactivity:	Human
Modifications:	Phospho-specific
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser294 conjugated to KLH
Formulation:	100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	90/120 kDa
Gene Name:	progesterone receptor
Database Link:	NP_000917 Entrez Gene 5241 Human P06401

Background: This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap. [provided by RefSeq]

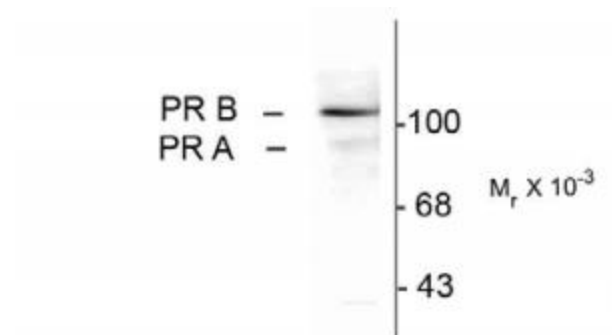


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Synonyms: NR3C3; PR

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

Protein Pathways: Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:

Western blot of whole cell T47D lysate prepared from cells that had been incubated in the presence of the synthetic progestin agonist [R5020] (500 nM) showing specific immunolabeling of the ~90k PR-A isoform and the ~120 PR-B isoform of the progesterone receptor phosphorylated at Ser294. The immunolabeling is blocked by the phosphopeptide used as the antigen (not shown).