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# PR (phospho Ser400) Polyclonal Antibody

Progesterone Receptor around the phosphorylation site of Ser400. AA range:371-420         Specificity       Phospho-PR (\$400) Polyclonal Antibody detects endogenous levels of PR protonly when phosphorylated at \$400.         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Polyclonal, Rabbit,IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000;IHC-p 1:50-300         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       PGR; NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group member 3         Observed Band       99kD         Cell Pathway       Nucleus. Cytoplasm. Nucleoplasmic shuttling is both hormone- and cell cycle-dependent. On hormone stimulation, retained in the cytoplasm in the G(and G(2)/M phases.; [Isoform A]. Nucleus. Cytoplasm. Kainly nuclear.; [Isoform A]: Nucleus. Cytoplasm in the G(and G(2)/M phases.; [Isoform A]. Nucleus. Cytoplasm in the G(and G(2)/M phases.; [Isoform A].         Tissue Specificity       In reproductive tissues the expression of isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B isoform A presists in the glands during mid-secretory phase. In the stroma, isoform A persists in the glands during mid-secretory phase. In the stroma, isofor		
Reactivity     Human;Rat;Mouse;       Applications     WB;IHC       Gene Name     PGR       Protein Name     Progesterone receptor       Immunogen     The antiserum was produced against synthesized peptide derived from humar Progesterone Receptor around the phosphorylation site of Ser400. AA range:371-420       Specificity     Phospho-PR (S400) Polyclonal Antibody detects endogenous levels of PR proionly when phosphorylated at S400.       Formulation     Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.       Source     Polyclonal, Rabbit.lgG       Purification     The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.       Dilution     WB 1:500-2000;IHC-p 1:50-300       Concentration     1 mg/ml       Purity     ≥90%       Storage Stability     -20°C/1 year       Synonyms     PGR; NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group member 3       Observed Band     9%D       Cell Pathway     Nucleus. Cytoplasm. Nucleoplasmic shuttling is both hormone- and cell oycle-dependent. On hormone stimulation. retained in the cytoplasm in the G( and G(2)/M phases; [Isoform A]: Nucleus. Cytoplasm. Mainly nuclear.; [Isoform 4]: Mitochondrion outer membrane.       Tissue Specificity     In reproductive tissues the expression of isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A but of isoform A persists in the glands dirug mid-secroty phase. In the stroma, isoform A	Catalog No	YP-Ab-03287
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stimulation.,function:The steroid hormones and their receptors are involved in	Storage Stability Synonyms Observed Band Cell Pathway	<ul> <li>-20°C/1 year</li> <li>PGR; NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group C member 3</li> <li>99kD</li> <li>Nucleus. Cytoplasm. 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 A]: Nucleus. Cytoplasm. Mainly nuclear.; [Isoform 4]: Mitochondrion outer membrane .</li> <li>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</li> </ul>

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	regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Progesterone receptor isoform B (PRB) is involved activation of c-SRC/MAPK signaling on hormone stimulation.,online information:Progesterone receptor entry,PTM:Phosphorylated on multiple serine sites. Several of these sites are hormone-dependent. Phosphorylation on Ser-294 occurs preferentially on isoform B, is highly hormone-dependent and modulates ubiquitination and sumoylation on Lys-388. Phosphorylation on Ser-102 and Ser-345 also requires induction by hormone. Basal phosphorylation on Se
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 promotors and translation start sites in the first exon to produce several transcript variants, both protein coding and non-protein coding. Two of the isoforms (A and B) are identical except for an 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, Sep 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

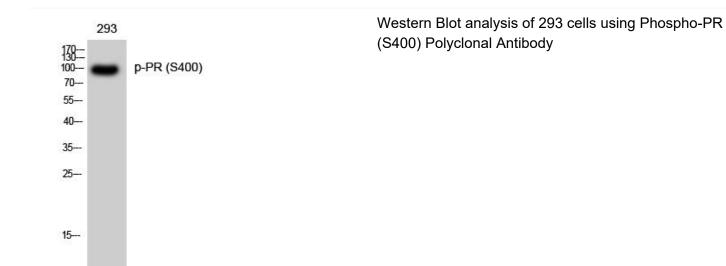


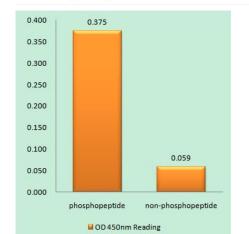
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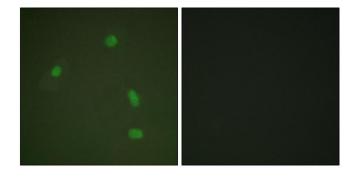


# **Products Images**





Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Progesterone Receptor (Phospho-Ser400) Antibody



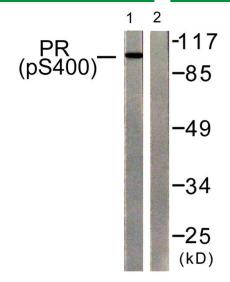
Immunofluorescence analysis of A549 cells, using Progesterone Receptor (Phospho-Ser400) Antibody. The picture on the right is blocked with the phospho peptide.



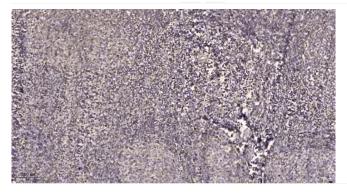
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Western blot analysis of lysates from 293 cells treated with heat shock, using Progesterone Receptor (Phospho-Ser400) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).