

**PR (phospho Ser400) Polyclonal Antibody**  
 Catalog # AP67464

**Specification**

**PR (phospho Ser400) Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P06401</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**PR (phospho Ser400) Polyclonal Antibody - Additional Information**

**Gene ID 5241**

**Other Names**

PGR; NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group C member 3

**Dilution**

WB~~Western Blot: 1/500 - 1/2000.  
 Immunofluorescence: 1/200 - 1/1000.  
 ELISA: 1/5000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Storage Conditions**

-20°C

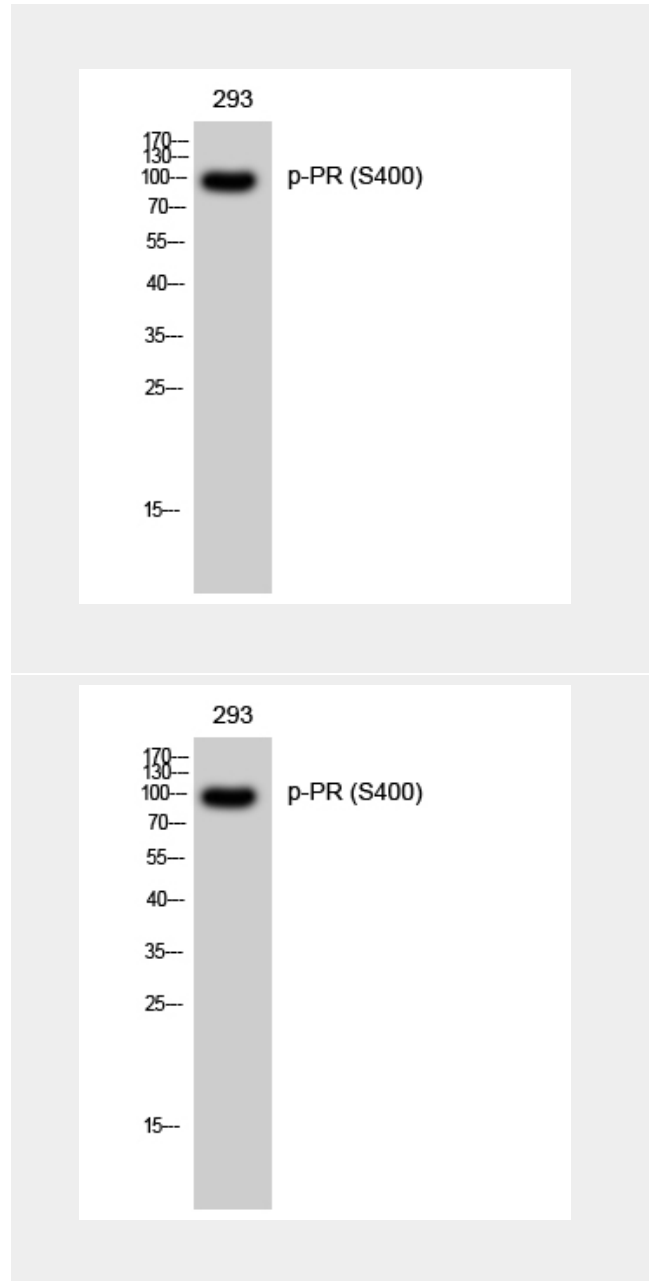
**PR (phospho Ser400) Polyclonal Antibody - Protein Information**

**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 transcriptional activator or repressor.



**PR (phospho Ser400) Polyclonal Antibody - Background**

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

**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

as transcriptional activator or repressor.

**PR (phospho Ser400) Polyclonal Antibody  
- Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)