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PR (phospho Ser294) Polyclonal Antibody
Catalog # AP67463

Specification

PR (phospho Ser294) Polyclonal Antibody - Product Information

Application	**WB, IF**
Primary Accession	P06401
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

PR (phospho Ser294) 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.
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

PR (phospho Ser294) 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 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

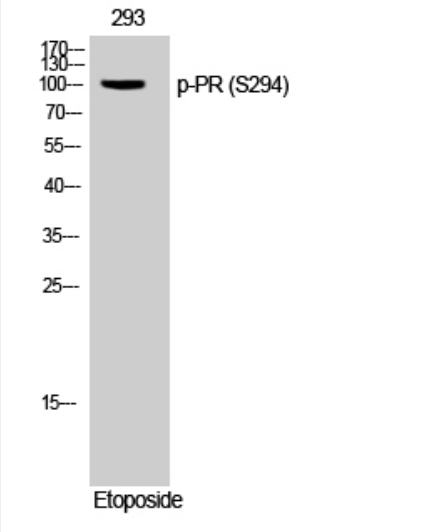
in uterine glandular epithelium during the proliferative phase of the menstrual cycle. Expression of isoform B but not of isoform A persists in the glands during mid-secretory phase. In the stroma, isoform A is the predominant form throughout the cycle. Heterogeneous isoform expression between the glands of the endometrium basalis and functionalis is implying region-specific responses to hormonal stimuli

PR (phospho Ser294) 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 Cytomety
- Cell Culture

PR (phospho Ser294) Polyclonal Antibody - Images



Western Blot analysis of 293 cells using Phospho-PR (S294) Polyclonal Antibody

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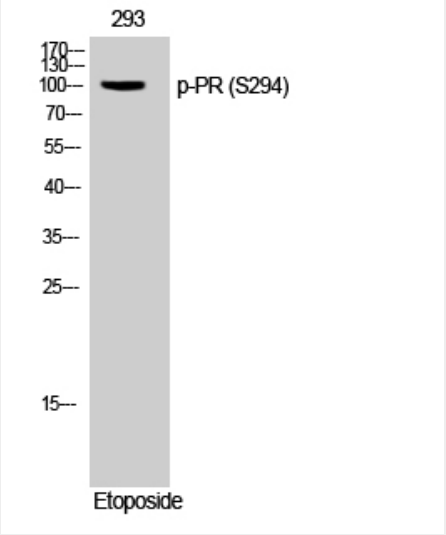

Western Blot analysis of 293 cells using Phospho-PR (S294) Polyclonal Antibody

PR (phospho Ser294) 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 as transcriptional activator or repressor.