

### PR Monoclonal Antibody(Z15)

**Catalog # AP63493** 

### **Specification**

## PR Monoclonal Antibody(Z15) - Product Information

Application IHC-P, IF Primary Accession P06401

Reactivity Human, Mouse, Rat

Host Mouse Clonality Monoclonal

## PR Monoclonal Antibody(Z15) - Additional Information

**Gene ID 5241** 

**Other Names** 

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

**Dilution** IHC-P~~N/A

IF~~IHC: 1:200 IF: 1:100-200

**Format** 

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

**Storage Conditions** 

-20°C

#### PR Monoclonal Antibody(Z15) - 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

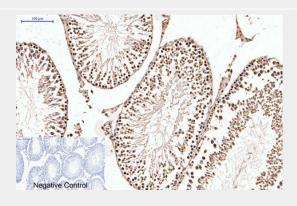
# PR Monoclonal Antibody(Z15) - Protocols

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

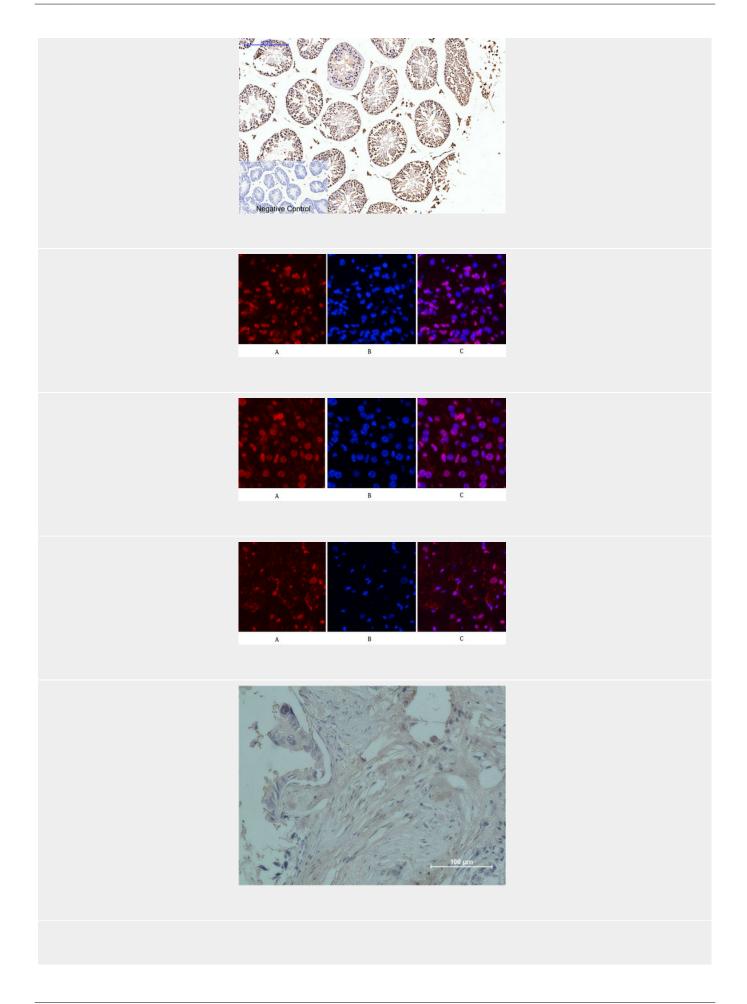
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## PR Monoclonal Antibody(Z15) - Images

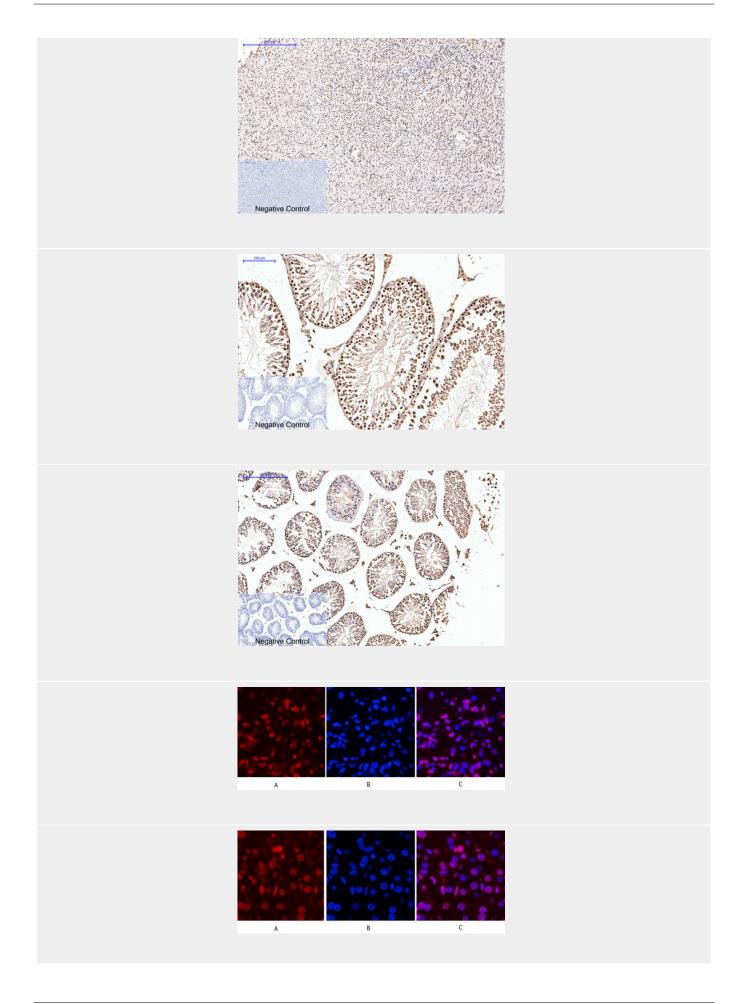




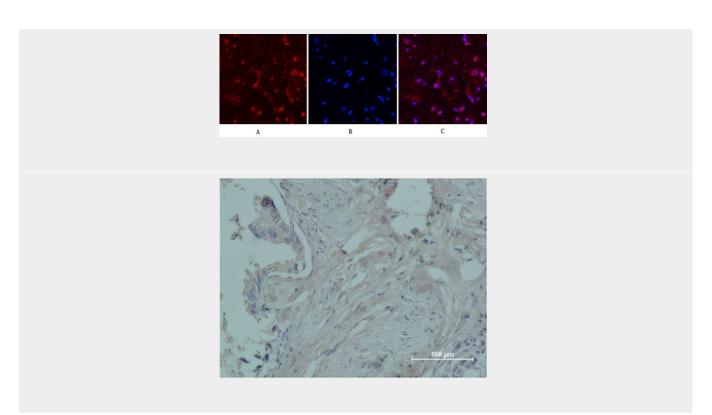












# PR Monoclonal Antibody(Z15) - Background

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.