

## 35-1072: Polyclonal Antibody to Progesterone Receptor (Phospho-Ser190)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	PGR
<b>Gene ID :</b>	5241
<b>Uniprot ID :</b>	P06401
<b>Format :</b>	Purified
<b>Alternative Name :</b>	NR3C3, PGR, PRGR
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 190 (G-L-S(p)-P-A) derived from Human Progesterone Receptor.

### Description

Progesterone receptors (PRs) are nuclear hormone receptors of the NR3C class, which also includes mineralocorticoid, glucocorticoid and androgen receptors. They exist as homodimers coupled to Hsp90 or HMGB proteins, which are shed upon activation. The major signaling pathway used by progesterone receptors is via direct DNA binding and transcriptional regulation of target genes. They can also signal by binding to other proteins, mainly with transcription factors such as NF-kappaB, AP-1 or STAT. Progesterone receptors are found in the female reproductive tract, mammary glands, brain and pituitary gland and receptor expression is induced by estrogen. Well established functions of progesterone receptors include ovulation, implantation, mammary gland development and maintenance of pregnancy. In addition, progesterone, signaling through the progesterone receptor, increases the ventilatory response of the respiratory centers to carbon dioxide and decreases arterial and alveolar PCO<sub>2</sub> in the luteal phase of the menstrual cycle and during pregnancy. The human gene encoding the progesterone receptor has been localized to 11q22.

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 99kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

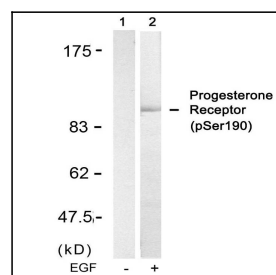


Figure 1: Western blot analysis of extracts from SKOV3 cells untreated (lane 1) or treated with EGF (lane 2) using Progesterone Receptor (Phospho-Ser190) Antibody 35-1072.

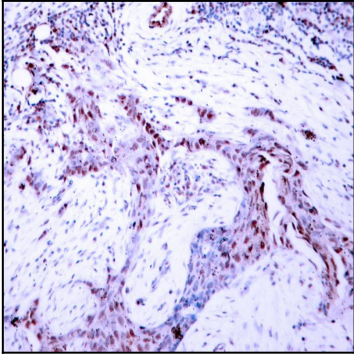


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Progesterone Receptor(Phospho-Ser190) Antibody 35-1072 .

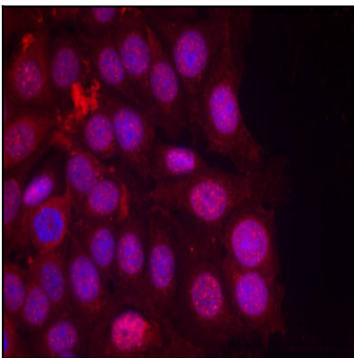


Figure 3: Immunofluorescence staining of methanol-fixed MCF cells using Progesterone Receptor(Phospho-Ser190) Antibody 35-1072 .