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35-1423: Polyclonal Antibody to Progesterone Receptor (Ab-190)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human
Gene :	PGR
Gene ID :	5241
Uniprot ID :	P06401
Format :	Purified
Alternative Name :	NR3C3, PGR, PRGR
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.188~192 (G-L-S-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 PCO2 in the luteal phase of the menstrual cycle and during pregnancy. The human gene encoding the progesterone receptor has been localized to 11q22. Narayanan R, et al. (2005) Mol Cell Biol; 25(8): 2885-98. Knotts TA, et al. (2001) J Biol Chem; 276(11): 8475-83. Clemm DL, et al. (2000) Mol Endocrinol; 14(1): 52-65. Zhang Y, et al. (1997) Mol Endocrinol; 11(6): 823-32

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	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, Immunofluorescence: 1:100~1:200

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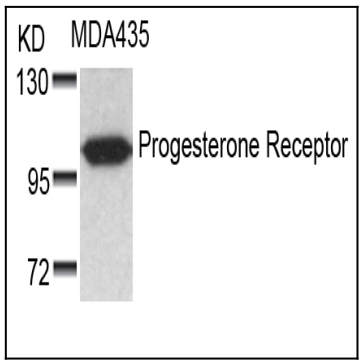

Figure 1: Western blot analysis of extracts from MDA435 cells using Progesterone Receptor(Ab-190) Antibody 35-1423 .

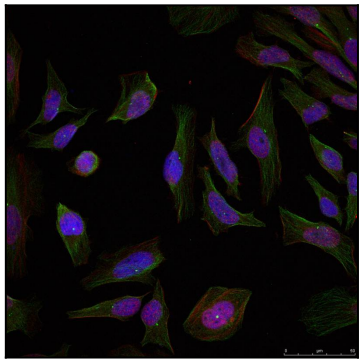

Figure 2: Immunofluorescence staining of methanol-fixed Hela cells using Progesterone Receptor(Ab-190) Antibody 35-1423 .