

Datasheet for ABIN7138462

anti-Progesterone Receptor antibody (pSer190)

3 Images

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Overview

Quantity:	100 µL
Target:	Progesterone Receptor (PGR)
Binding Specificity:	pSer190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Progesterone Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 190 (G-L-S(p)-P-A) derived from Human Progesterone Receptor.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	Progesterone Receptor (PGR)
Alternative Name:	PGR (PGR Products)

Target Details

Background: Background: 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

Aliases: NR3C3 antibody, Nuclear receptor subfamily 3 group C member 3 antibody, PGR antibody, PR antibody, PRA antibody, PRB antibody, PRGR_HUMAN antibody, Progesterone receptor antibody, Progestin receptor form A antibody, Progestin receptor form B antibody

UniProt: [P06401](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,

Restrictions: For Research Use only

Handling

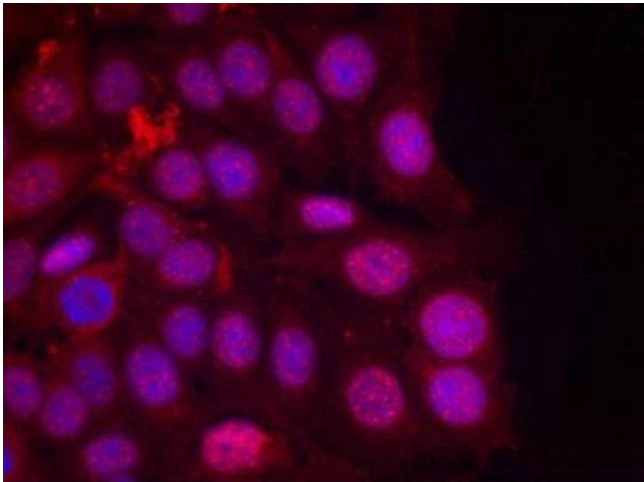
Format: Liquid

Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Handling

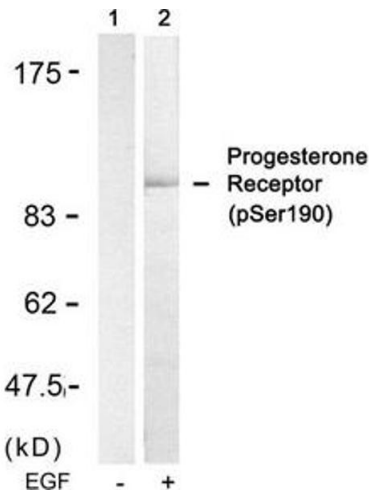
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



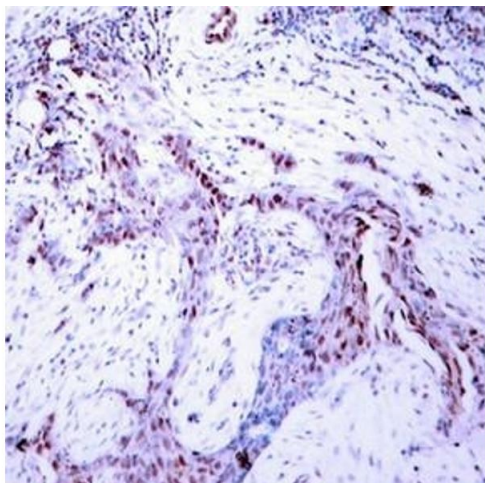
Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed MCF cells using Progesterone Receptor(Phospho-Ser190) Antibody.



Western Blotting

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



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Progesterone Receptor(Phospho-Ser190) Antibody.