PGR (phospho S190) monoclonal antibody, clone 1154

Catalog # MAB1785 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot of whole cell T-47D lysate prepared from cells that had been inubated in the presence of the synthetic progestin agonist R5020 (500 nM) showing specific immunolabeling of the ~90k PGR-A isoform and the ~120 PGR-B isoform of the PGR phosphorylated at Ser190. The immunolabeling is specifically blocked by the phosphopeptide used as the antigen (not shown).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic phosphopeptide of PGR.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S190 of human PGR.
Host	Mouse
Theoretical MW (kDa)	90, 120
Reactivity	Human
Specificity	This antibody recognizes ~90KDa PR-A isoform and the ~120 KDa PR-B isoform.
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (Frozen sections) (1:1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Frozen sections)
- Western Blot (Cell lysate)

  Western blot of whole cell T-47D lysate prepared from cells that had been inubated in the presence of the synthetic progestin agonist R5020 (500 nM) showing specific immunolabeling of the ~90k PGR-A isoform and the ~120 PGR-B isoform of the PGR phosphorylated at Ser190. The immunolabeling is specifically blocked by the phosphopeptide used as the antigen (not shown).

Gene Info — PGR

Entrez GeneID	5241
Protein Accession#	P06401
Gene Name	PGR
Gene Alias	NR3C3, PR
Gene Description	progesterone receptor
Omim ID	607311
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promotors and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform A only, and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform B has not been clearly determined. [provided by RefSeq
Other Designations	-

Publication Reference

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Regulation of signal transduction pathways by estrogen and progesterone.

  Edwards DP.

  Annual Review of Physiology 2005 Jan; 67:335.

- Distinct molecular pathways mediate progesterone-induced growth inhibition and focal adhesion.

  Lin VC, Woon CT, Aw SE, Guo C.

  Endocrinology 2003 Dec; 144(12):5650.

- Differential hormone-dependent phosphorylation of progesterone receptor A and B forms revealed by a phosphoserine site-specific monoclonal antibody.

  Clemm DL, Sherman L, Boonyaratanakornkit V, Schrader WT, Weigel NL, Edwards DP.

  Molecular Endocrinology 2000 Jan; 14(1):52.

  Application: WB-Ce, Human, T47D cells

Disease

- Abortion
- Adenocarcinoma
- Adhesions
- Aortic Aneurysm
- Arthritis
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Connective Tissue Diseases
- Diabetes Mellitus
- Ductus Arteriosus
- Edema

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Fetal Diseases
- Gender Identity
- Genetic Predisposition to Disease
- Hyperprolactinemia
- Hypertension
- Infant
- Infection
- Infertility
- Inflammation
- Kidney Failure
- Leiomyoma
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Migraine Disorders
- Musculoskeletal Diseases
- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Osteoporosis
- Ovarian cancer
- Ovarian Cysts
- Ovarian Failure

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Ovarian Neoplasms
- Panic Disorder
- Peritoneal Diseases
- Polycystic Ovary Syndrome
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Disease
- Skin Diseases
- Stomach Neoplasms
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Diseases
- Uterine Neoplasms
- Vertigo
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.