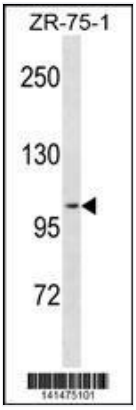
PGR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PGR, Polyclonal Antibody
Full Product Name	PGR, CT (PGR, NR3C3, Progesterone receptor, Nuclear receptor subfamily 3 group C member 3) (AP)
Product Gene Name	anti-PGR antibody
Product Synonym Names	PGR; NR3C3; Progesterone receptor; Nuclear receptor subfamily 3 group C member 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	98,981 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (100900355..101000544, complement). Location: 11q22-q23
OMIM	607311
3D Structure	ModBase 3D Structure for P06401
Immunogen	PGR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 833-861 amino acids from the C-terminal region of human PGR.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-PGR antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-PGR antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PGR antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PGR antibody	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 B and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform A has not been clearly determined.
Product References and Citations for anti-PGR antibody	Geradts, J., et al. Cancer Invest. 28(9):969-977(2010). Tang, P., et al. Cancer Invest. 28(9):978-982(2010). Van Belle, V., et al. J. Clin. Oncol. 28(27):4129-4134(2010). Taylor, K.C., et al. Horm Res Paediatr (2010). In press: Near, A.M., et al. Fertil. Steril. (2010).

Other Notes	Small volumes of anti-PGR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PGR purchase	MBS6333123 is an antibody targeting PGR. Also known as PGR, CT (PGR, NR3C3, Progesterone receptor, Nuclear receptor subfamily 3 group C member 3) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PGR antibody
PGR Antibody (C-term) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PGR antibody detected the PGR protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PGR. It may not necessarily be applicable to this product.

NCBI GI #	110611914
NCBI GeneID	5241
NCBI Accession #	NP_000917.3
UniProt Primary Accession #	P06401
UniProt Secondary Accession #	Q9UPF7; A7X8B0
UniProt Related Accession #	P06401
GenBank Nucleotide #	NM_000926.4
NCBI Official Full Name	progesterone receptor isoform B
NCBI Official Synonym Full Names	progesterone receptor
NCBI Official Symbol	PGR
NCBI Official Synonym Symbols	PR; NR3C3
UniProt Protein Name	Progesterone receptor
UniProt Synonym Protein Names	Nuclear receptor subfamily 3 group C member 3
Protein Family	Progesterone receptor
UniProt Gene Name	PGR
UniProt Synonym Gene Names	NR3C3; PR
UniProt Entry Name	PRGR_HUMAN
NCBI Protein Information	progesterone receptor; nuclear receptor subfamily 3 group C member 3

NCBI Summary for PGR	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 B and mediate their own response genes and physiologic effects with little overlap. [provided by RefSeq, Jan 2011]
UniProt Comments for PGR	PR: a nuclear hormone receptor and transcription factor. Regulates gene expression and affects cellular proliferation and differentiation in target tissues. Two splice-variant isoforms have been described. Protein type: Nuclear receptor; DNA-binding Chromosomal Location of Human Ortholog: 11q22-q23 Cellular Component: nucleoplasm; mitochondrial outer membrane Molecular Function: protein binding; ligand-dependent nuclear receptor activity; enzyme binding; DNA binding; zinc ion binding; steroid hormone receptor activity; steroid binding; receptor binding Biological Process: transcription initiation from RNA polymerase II promoter; progesterone receptor signaling pathway; cell-cell signaling; epithelial cell maturation; positive regulation of transcription from RNA polymerase II promoter; steroid hormone mediated signaling; gene expression; signal transduction; ovulation from ovarian follicle; regulation of epithelial cell proliferation Disease: Progesterone Resistance
Research Articles on PGR	**1.** Data indicate that estrogen receptor alpha, estrogen receptor beta, progesterone receptor and androgen receptor may be partly involved in gastric carcinogenesis but their clinicopathological and prognostic significance appears to be limited.
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