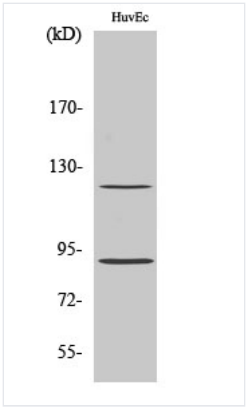
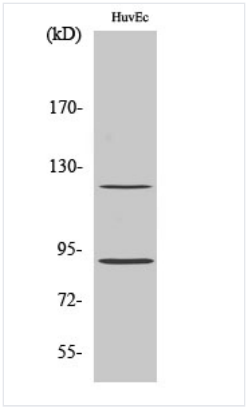
PR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PR, Polyclonal Antibody
Full Product Name	PR (phospho Ser190) Polyclonal Antibody
Product Gene Name	anti-PR antibody
Product Synonym Gene Name	PGR
Product Synonym Names	PGR; NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group C member 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Monkey
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
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
Applications Tested/Suitable for anti-PR antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-PR antibody	The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as transcriptional activator or repressor.
Other Notes	Small volumes of anti-PR 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 PR purchase	MBS9242079 is an antibody targeting PR. Also known as PR (phospho Ser190) Polyclonal Antibody. Reactive in Human, Monkey. Host: Rabbit.



Wester Blot (WB) of anti-PR antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.



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Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PR. 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	Perakine reductase
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 PR	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 PR	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 PR	**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.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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