

Rabbit Anti-PGR Polyclonal Antibody

CPB-639RH Rabbit(PGR)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-PGR Polyclonal Antibody
Antigen 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 Hsp900 or HMGB proteins, which are shed up on activation. The major signaling pathway used by progesterone receptors is via direct DNA binding and transcriptional regulation of target genes.
specificity	The antibody detects endogenous level of Progesterone Receptor only when phosphorylated at serine 190.
Target	PGR
Immunogen	Peptide sequence around phosphorylation site of serine 190(G-L-S(p)-P-A) derived from Human Progesterone Receptor.
Host	Rabbit
Species	Human
Cross Reactivity	Human
conjugation	N/A
Applications	IFA, WB, IHC

PACKAGING

Format	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C / 1 year

ANTIGEN GENE INFORMATION

Gene Name	PGR progesterone receptor [Homo sapiens]
Official Symbol	PGR
Synonyms	PGR; progesterone receptor; NR3C3; PR; nuclear receptor subfamily 3 group C member 3;
GeneID	5241
mRNA Refseq	NM_000926
Protein Refseq	NP_000917
MIM	607311
UniProt ID	P06401
Chromosome Location	11q22-q23

Pathway	Cellular roles of Anthrax toxin, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem; Nuclear signaling by ERBB4, organism-specific biosystem; Oocyte meiosis, organism-specific biosystem;
Function	DNA binding; enzyme binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; receptor activity; receptor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid binding; steroid hormone receptor activity; zinc ion binding;