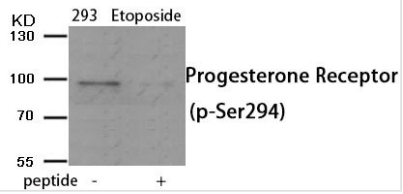
Phospho-PGR (Ser294) Antibody

Product Code	CSB-PA448365
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P06401
Immunogen	Peptide sequence around phosphorylation site of serine 294 (G-R-S(p)-P-L) derived from Human Progesterone Receptor.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of Progesterone Receptor only when phosphorylated at serine 294.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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. Chung HH, Sze SK, Tay AS, Lin VC (2014) J Biol Chem 289, 2180-94 Hagan CR, Knutson TP, Lange CA (2013) Nucleic Acids Res 41, 8926-42 Wang S, et al. (2013) J Biol Chem 288, 26265-74
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatogramphy usi
Clonality	Polyclonal
Alias	NR3C3; PGR; PRGR; Progesterone receptor;
Product Type	Polyclonal Antibody

Species	Homo sapiens (Human)
Target Names	PGR
Image	 Western blot analysis of extracts from 293 cells treated with Etoposide using Phospho-Progesterone Receptor (Ser294) antibody.The lane on the right is treated with the antigen-specific peptide.
Product Modify	Phospho-Ser294