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Anti-Progesterone Receptor (pS294) Antibody

Rabbit polyclonal antibody to Progesterone Receptor (pS294)
Catalog # AP59660

Product Information

Application	WB
Primary Accession	P06401
Other Accession	Q00175
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	98981

Additional Information

Gene ID	5241
Other Names	NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group C member 3
Target/Specificity	Recognizes endogenous levels of Progesterone Receptor (pS294) protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

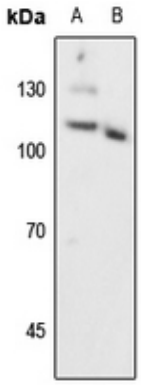
Name	PGR
Synonyms	NR3C3
Function	The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as a transcriptional activator or repressor.
Cellular Location	Nucleus. Cytoplasm. Note=Nucleoplasmic shuttling is both hormone- and cell cycle-dependent. On hormone stimulation, retained in the cytoplasm in the G(1) and G(2)/M phases [Isoform 4]: Mitochondrion outer membrane
Tissue Location	In reproductive tissues the expression of isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B are expressed in comparable levels in uterine glandular epithelium during

the proliferative phase of the menstrual cycle. Expression of isoform B but not of isoform A persists in the glands during mid-secretory phase. In the stroma, isoform A is the predominant form throughout the cycle. Heterogeneous isoform expression between the glands of the endometrium basalis and functionalis is implying region-specific responses to hormonal stimuli

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Progesterone Receptor. The exact sequence is proprietary.

Images



Western blot analysis of Progesterone Receptor (pS294) expression in HEK293T (A), Hela (B) whole cell lysates.