

Product datasheet for **AP09641PU-N**

17-alpha-Hydroxyprogesterone / 17-OHP Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 0.31µg/ml.
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	17-alpha-OH-Progesterone-BTG
Specificity:	Determined by biochip immunoassay and expressed as % cross-reactivity. 17α-OH-progesterone 100% The antibody did not cross-react with the following compounds*: Androstenedione Corticosterone Cortisol Deoxycorticosterone Dihydrotestosterone Estradiol Estrone Pregnelone 17-OH Pregnelone Progesterone 11α-OH-progesterone Testosterone *Cross-reactivity profile may vary with tracer used.
Formulation:	20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative State: Ig Fraction State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

17-Hydroxyprogesterone (17-OH progesterone or 17OHP) is a C-21 steroid hormone produced during the synthesis of glucocorticoids and sex steroids. It is derived from progesterone via 17-hydroxylase, a P450c17 enzyme, or from 17-hydroxypregnenolone via 3-beta-hydroxysteroid dehydrogenase / Delta 5-4 isomerase. 17-Hydroxyprogesterone is a natural progestogen, and in pregnancy increases in the third trimester primarily due to fetal adrenal production. This hormone is primarily produced in the adrenal glands and to some degree in the gonads, specifically the corpus luteum of the ovary. Hydroxyprogesterone has been used for recurrent miscarriage and various menstrual disorders. Women who have had a spontaneous preterm delivery are at greatly increased risk for preterm delivery in subsequent pregnancies. The results of several small trials have suggested that hydroxyprogesterone may reduce the risk of preterm delivery.

Synonyms:

17OHP, 17-Hydroxyprogesterone, 17-alpha-Hydroxy-Progesterone