

## Product datasheet for **AP14730PU-N**

### **CYP21A2 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59~87 amino acids from the N-terminal region of Human CYP21A2.
Specificity:	This antibody recognizes CYP21A2.
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	55887 Da
Gene Name:	cytochrome P450 family 21 subfamily A member 2
Database Link:	<a href="#">Entrez Gene 1589 Human P08686</a>



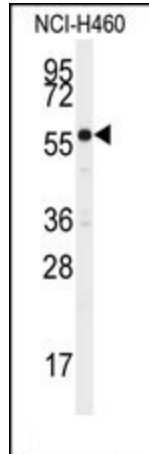
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**Background:**

CYP21A2 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and hydroxylates steroids at the 21 position. Its activity is required for the synthesis of steroid hormones including cortisol and aldosterone. Mutations in CYP21A2 gene cause congenital adrenal hyperplasia.

**Synonyms:**

Cytochrome P450 21, CYP21, CYP21B, Cytochrome P450 XXI, Steroid 21-hydroxylase, 21-OHase, Cytochrome P450-C21, Cytochrome P-450c21, Cytochrome P450-C21B

**Product images:**

Western blot analysis of anti-CYP21A2 Antibody (N-term) in NCI-H460 cell line lysates (35ug/lane). CYP21A2 (arrow) was detected using the purified Pab.