

CYP21A2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17032c**Specification**

CYP21A2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P08686](#)**CYP21A2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1589**Other Names**

Steroid 21-hydroxylase, 21-OHase, Cytochrome P-450c21, Cytochrome P450 21, Cytochrome P450 XXI, Cytochrome P450-C21, Cytochrome P450-C21B, CYP21A2, CYP21, CYP21B

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CYP21A2 Antibody (Center) Blocking Peptide - Protein Information**Name** CYP21A2**Synonyms** CYP21, CYP21B**Function**

A cytochrome P450 monooxygenase that plays a major role in adrenal steroidogenesis. Catalyzes the hydroxylation at C-21 of progesterone and 17alpha-hydroxyprogesterone to respectively form 11- deoxycorticosterone and 11-deoxycortisol, intermediate metabolites in the biosynthetic pathway of mineralocorticoids and glucocorticoids (PubMed:25855791, PubMed:10602386, PubMed:16984992, PubMed:22014889, PubMed:27721825).

Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase) (PubMed:25855791).

Cellular Location

Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

CYP21A2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CYP21A2 Antibody (Center) Blocking Peptide - Images

CYP21A2 Antibody (Center) Blocking Peptide - Background

Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.