

CYP21A2 Antibody (aa151-200)
Rabbit Polyclonal Antibody
Catalog # ALS15799**Specification**

CYP21A2 Antibody (aa151-200) - Product Information

Application	IHC, WB
Primary Accession	P08686
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

CYP21A2 Antibody (aa151-200) - Additional Information**Gene ID** 1589**Other Names**

Steroid 21-hydroxylase, 1.14.99.10, 21-OHase, Cytochrome P-450c21, Cytochrome P450 21, Cytochrome P450 XXI, Cytochrome P450-C21, Cytochrome P450-C21B, CYP21A2, CYP21, CYP21B

Target/Specificity

Cytochrome P450 21A2 Antibody detects endogenous levels of total Cytochrome P450 21A2 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

CYP21A2 Antibody (aa151-200) is for research use only and not for use in diagnostic or therapeutic procedures.

CYP21A2 Antibody (aa151-200) - 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:10602386, PubMed:16984992, PubMed:22014889, PubMed:25855791, 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

Volume

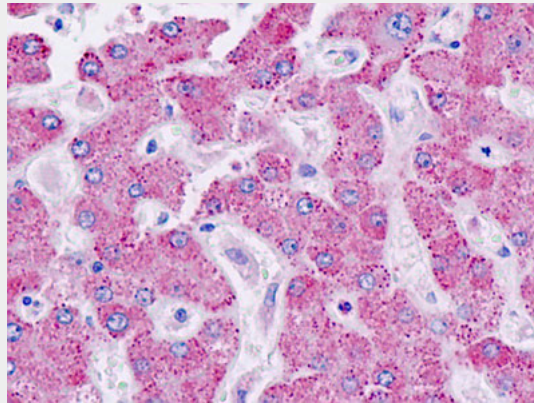
50 μ l

CYP21A2 Antibody (aa151-200) - Protocols

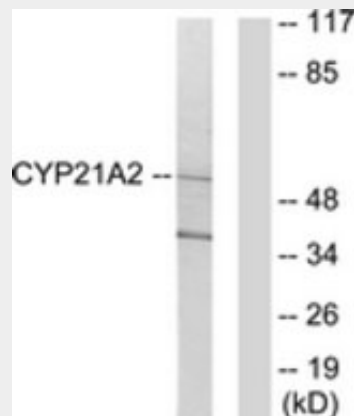
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYP21A2 Antibody (aa151-200) - Images



Anti-CYP21A2 antibody IHC staining of human liver.



Western blot of extracts from 293 cells, using Cytochrome P450 21A2 Antibody.

CYP21A2 Antibody (aa151-200) - Background

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

CYP21A2 Antibody (aa151-200) - References

Higashi Y., et al. Proc. Natl. Acad. Sci. U.S.A. 83:2841-2845(1986).
White P.C., et al. Proc. Natl. Acad. Sci. U.S.A. 83:5111-5115(1986).
Rodrigues N.R., et al. EMBO J. 6:1653-1661(1987).
Globerman H., et al. J. Clin. Invest. 82:139-144(1988).
Helmberg A., et al. Mol. Endocrinol. 6:1318-1322(1992).