

CYP27C1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55437**Specification**

CYP27C1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O4G0S4
Reactivity	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60920

CYP27C1 Polyclonal Antibody - Additional Information**Gene ID** 339761**Other Names**

Cytochrome P450 27C1, 1.14.19.53, All-trans retinol 3, 4-desaturase, CYP27C1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=33480)
HGNC:33480

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CYP27C1 Polyclonal Antibody - Protein Information**Name** CYP27C1 ([HGNC:33480](#))**Function**

[Isoform 2]: A cytochrome P450 monooxygenase that catalyzes the 3,4 desaturation of all-trans-retinol (also called vitamin A1) to all-trans-3,4-didehydroretinol (also called vitamin A2) in the skin. Desaturates with lower efficiency all-trans retinal and all-trans retinoic acid. Forms minor amounts of 3-hydroxy and 4-hydroxy all- trans-retinol derivatives. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate and reducing the second into a water molecule. Two electrons are provided by NADPH via a two-protein mitochondrial transfer system comprising flavoprotein FDXR (adrenodoxin/ferredoxin reductase) and nonheme iron-sulfur protein FDX1 or FDX2 (adrenodoxin/ferredoxin).

Cellular Location

[Isoform 2]: Mitochondrion membrane {ECO:0000250|UniProtKB:P14137}; Peripheral membrane protein {ECO:0000250|UniProtKB:P14137}

Tissue Location

Widely expressed, with highest levels in the liver, kidney and pancreas.

CYP27C1 Polyclonal Antibody - 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](#)

CYP27C1 Polyclonal Antibody - Images